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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 May 12 EXTEND option available in structure searching  
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY  
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent  
SDIs in Caplus  
NEWS 6 May 27 Caplus super roles and document types searchable in REGISTRY  
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NEWS 9 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,  
and WATER from CSA now available on STN(R)  
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NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
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Enter NEWS followed by the item number or name to see news on that  
specific topic.

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FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004

=> file medline, agricola, caba, caplus, biosis, biotechno		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
	0.21	0.21
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FILE 'MEDLINE' ENTERED AT 10:08:43 ON 23 JUL 2004

FILE 'AGRICOLA' ENTERED AT 10:08:43 ON 23 JUL 2004

FILE 'CABA' ENTERED AT 10:08:43 ON 23 JUL 2004  
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FILE 'CAPLUS' ENTERED AT 10:08:43 ON 23 JUL 2004

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FILE 'BIOSIS' ENTERED AT 10:08:43 ON 23 JUL 2004  
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'BIOTECHNO' ENTERED AT 10:08:43 ON 23 JUL 2004  
COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.

=> s (kjaerulff, s? or kjaerulff s?)/au  
L1 56 (KJAERULFF, S? OR KJAERULFF S?)/AU

=> s (roggen, e? or roggen e?)/au  
L2 81 (ROGGEN, E? OR ROGGEN E?)/AU

=> s l1 and l2  
L3 1 L1 AND L2

=> d l3 ti

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Epitope mapping of allergenic protein and their production of low  
allergenic protein in transgenic plants

=> d l3 bib

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:314983 CAPLUS  
DN 136:339482  
TI Epitope mapping of allergenic protein and their production of low  
allergenic protein in transgenic plants  
IN **Kjaerulff, Soren; Roggen, Erwin Ludo**  
PA Novozymes A/S, Den.  
SO PCT Int. Appl., 83 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002032947	A1	20020425	WO 2001-DK686	20011017
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,				
	PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,				
	UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,				
	BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003041354	A1	20030227	US 2001-981009	20011016
	AU 2002010394	A5	20020429	AU 2002-10394	20011017
	EP 1328544	A1	20030723	EP 2001-978221	20011017
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI	DK 2000-1546	A	20001017		
	US 2000-241870P	P	20001020		
	WO 2001-DK686	W	20011017		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l1 or l2

L4 136 L1 OR L2

=> s l4 not l3

L5 135 L4 NOT L3

=> s l5 and (epitope or allergen)

L6 13 L5 AND (EPITOPE OR ALLERGEN)

=> duplicate remove l6

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, BIOTECHNO'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L6

L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)

=> d l17 1-10 ti

L17 NOT FOUND

The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> d l7 1-10 ti

L7 ANSWER 1 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
TI Low allergenic protein variants.

L7 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Kit for predicting binding of a specific antibody to a potential immunogen and method of screening

L7 ANSWER 3 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
TI Polypeptides conjugated to copolymers of ethylene oxide and propylene oxide to reduce allergenicity.

L7 ANSWER 4 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
TI An in vitro technology for fast identification of less allergenic protein variants.

L7 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Protein engineering for reduced allergenicity

L7 ANSWER 6 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
TI An in vitro high throughput technology for the production and identification of proteins with reduced allergenic potencies: A proof of concept.

L7 ANSWER 7 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
TI The use of airlifted human lung epithelial tissues for allergy risk assessment of topical applied enzyme proteins.

L7 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Engineering of enzymes for reduced allergenicity

L7 ANSWER 9 OF 10 MEDLINE on STN DUPLICATE 1  
TI Monoclonal antibodies against Haemophilus lipopolysaccharides: clone DP8 specific for Haemophilus ducreyi and clone DH24 binding to lacto-N-neotetraose.

L7 ANSWER 10 OF 10 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
TI Antigenic diversity in Haemophilus ducreyi as shown by Western blot (immunoblot) analysis

=> d l7 1-8 bib

L7 ANSWER 1 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 2004:141149 BIOSIS  
 DN PREV200400141815  
 TI Low allergenic protein variants.  
 AU Olsen, Arne Agerlin [Inventor, Reprint Author]; Roggen, Erwin Lugo  
 [Inventor]; Ernst, Steffen [Inventor]  
 CS Kaplevej, Denmark  
 ASSIGNEE: Novozymes A/S, Bagsvaerd, Denmark  
 PI US 6686164 February 03, 2004  
 SO Official Gazette of the United States Patent and Trademark Office Patents,  
 (Feb 3 2004) Vol. 1279, No. 1. <http://www.uspto.gov/web/menu/patdata.html>.  
 e-file.  
 ISSN: 0098-1133 (ISSN print).  
 DT Patent  
 LA English  
 ED Entered STN: 10 Mar 2004  
 Last Updated on STN: 10 Mar 2004

L7 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2003:301332 CAPLUS  
 DN 138:302628  
 TI Kit for predicting binding of a specific antibody to a potential immunogen  
 and method of screening  
 IN Roggen, Erwin Ludo; Nilsson, Nina Teeres; Ernst, Steffen;  
 Patkar, Shamkant Anant; Friis, Esben Peter  
 PA Novozymes A/S, Den.  
 SO PCT Int. Appl., 75 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003031981	A2	20030417	WO 2002-DK665	20021004
	WO 2003031981	A3	20040304		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003119066	A1	20030626	US 2002-264559	20021004
	EP 1436627	A2	20040714	EP 2002-800546	20021004
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
PRAI	DK 2001-1473	A	20011005		
	US 2001-330289P	P	20011018		
	WO 2002-DK665	W	20021004		

L7 ANSWER 3 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 2003:549971 BIOSIS  
 DN PREV200300550209  
 TI Polypeptides conjugated to copolymers of ethylene oxide and propylene oxide to reduce allergenicity.  
 AU Deussen, Heinz-Josef [Inventor, Reprint Author]; Olsen, Arne Agerlin [Inventor]; Fatum, Tine Muxoll [Inventor]; Roggen, Erwin Ludo [Inventor]  
 CS Soborg, Denmark  
 ASSIGNEE: Novozymes A/S, Bagsvaerd, Denmark  
 PI US 6638526 October 28, 2003  
 SO Official Gazette of the United States Patent and Trademark Office Patents,

(Oct 28 2003) Vol. 1275, No. 4. <http://www.uspto.gov/web/menu/patdata.html>  
. e-file.

ISSN: 0098-1133 (ISSN print).

DT Patent

LA English

ED Entered STN: 19 Nov 2003

Last Updated on STN: 19 Nov 2003

L7 ANSWER 4 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 2003:221174 BIOSIS

DN PREV200300221174

TI An in vitro technology for fast identification of less allergenic protein variants.

AU **Roggen, E. L.** [Reprint Author]; Friis, E. P.; Soni, N. K.

[Reprint Author]; Ernst, S. [Reprint Author]

CS Protein Screening, Novozymes A/S, Bagsvaerd, Denmark

SO Toxicological Sciences, (March 2003) Vol. 72, No. S-1, pp. 219. print.

Meeting Info.: 42nd Annual Meeting of the Society of Toxicology. Salt Lake City, Utah, USA. March 09-13, 2003. Society of Toxicology.

ISSN: 1096-6080 (ISSN print).

DT Conference; (Meeting)

Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 7 May 2003

Last Updated on STN: 7 May 2003

L7 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:816739 CAPLUS

DN 135:356734

TI Protein engineering for reduced allergenicity

IN **Roggen, Erwin Ludo**; Ernst, Steffen; Svendsen, Allan; Friis, Esben Peter; Von Der Osten, Claus

PA Novozymes A/S, Den.

SO PCT Int. Appl., 513 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001083559	A2	20011108	WO 2001-DK293	20010430
	WO 2001083559	A3	20020620		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	EP 1280817	A2	20030205	EP 2001-927643	20010430
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRAI	DK 2000-707	A	20000428		
	US 2000-203345P	P	20000510		
	DK 2001-327	A	20010228		
	US 2001-277817P	P	20010321		
	WO 2001-DK293	W	20010430		

L7 ANSWER 6 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 2001:504796 BIOSIS

DN PREV200100504796

TI An in vitro high throughput technology for the production and identification of proteins with reduced allergenic potencies: A proof of

concept.

AU **Roggen, E. L.** [Reprint author]; Ernst, S.  
CS Protein Screening, Novozymes A/S, Bagsvaerd, Denmark  
SO Allergy (Copenhagen), (2001) Vol. 56, No. Supplement 68, pp. 117. print.  
Meeting Info.: XXth Congress of the European Academy of Allergology and  
Clinical Immunology. Berlin, Germany. May 09-13, 2001.  
CODEN: LLRGDY. ISSN: 0105-4538.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 31 Oct 2001  
Last Updated on STN: 23 Feb 2002

L7 ANSWER 7 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2002:131738 BIOSIS  
DN PREV200200131738  
TI The use of airlifted human lung epithelial tissues for allergy risk  
assessment of topical applied enzyme proteins.  
AU De Wever, B. [Reprint author]; **Roggen, E.**  
CS SkinEthic Laboratories, Nice, France  
SO Toxicology Letters (Shannon), (September 1st, 2001) Vol. 123, No.  
Supplement 1, pp. 19. print.  
Meeting Info.: EUROTOX 2001. Istanbul, Turkey. September 13-16, 2001.  
Association of European Toxicologists; European Societies of Toxicology.  
CODEN: TOLED5. ISSN: 0378-4274.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 6 Feb 2002  
Last Updated on STN: 26 Feb 2002

L7 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2000:314711 CAPLUS  
DN 132:333397  
TI Engineering of enzymes for reduced allergenicity  
IN **Roggen, Erwin Ludo**; Olsen, Arne Agerlin; Ernst, Steffen  
PA Novo Nordisk A/S, Den.  
SO PCT Int. Appl., 91 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000026230	A1	20000511	WO 1999-DK541	19991012
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU	9960787	A1	20000522	AU 1999-60787	19991012
EP	1124843	A1	20010822	EP 1999-947260	19991012
EP	1124843	B1	20040407		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP	2003500003	T2	20030107	JP 2000-579618	19991012
EP	1277762	A2	20030122	EP 2002-20745	19991012
EP	1277762	A3	20030409		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY			
NZ	511291	A	20030829	NZ 1999-511291	19991012

AT 263778	E	20040415	AT 1999-947260	19991012
US 6686164	B1	20040203	US 1999-417608	19991013
PRAI DK 1998-1402	A	19981030		
DK 1998-1645	A	19981125		
DK 1999-1417	A	19991004		
US 1998-107165P	P	19981105		
US 1998-111386P	P	19981208		
US 1999-157429P	P	19991004		
EP 1999-947260	A3	19991012		
WO 1999-DK541	W	19991012		

RE.CNT 5      THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
 10:08:43 ON 23 JUL 2004

L1            56 S (KJAERULFF, S? OR KJAERULFF S?)/AU  
 L2            81 S (ROGGEN, E? OR ROGGEN E?)/AU  
 L3            1 S L1 AND L2  
 L4            136 S L1 OR L2  
 L5            135 S L4 NOT L3  
 L6            13 S L5 AND (EPITOPE OR ALLERGEN)  
 L7            10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)

=> s (plant(s)transform?) or (plant(s)transgenic) or (plant(s)recombinant) or  
 (plant(s) (genetically(w)modified))

L8            52079 (PLANT(S) TRANSFORM?) OR (PLANT(S) TRANSGENIC) OR (PLANT(S)  
 RECOMBINANT) OR (PLANT(S) (GENETICALLY(W) MODIFIED))

=> s l8 and allergen

L9            273 L8 AND ALLERGEN

=> s plant(s)transgenic(s)allergen

L10           24 PLANT(S) TRANSGENIC(S) ALLERGEN

=> s l10 not l4

L11           24 L10 NOT L4

=> duplicate remove l11

DUPLICATE PREFERENCE IS 'AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L11

L12           19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

=> d l12 1-10 ti

L12 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Expression and glycosylation of dust mite cysteine protease allergens in  
 transgenic plants for use in diagnosis and treatment of human allergies

L12 ANSWER 2 OF 19 CABA COPYRIGHT 2004 CABI on STN

TI [The allergic risk of transgenic foods: strategy for prevention  
 Rapport bi-academique].

Risque allergique des aliments transgeniques: strategies de prevention.

L12 ANSWER 3 OF 19 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN

TI The allergic risk of transgenic foods strategy for prevention  
 RISQUE ALLERGIQUE DES ALIMENTS TRANSGENIQUES: STRATEGIES DE PREVENTION

L12 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Accumulation of Japanese cedar pollen allergen, Cry j 1, in the protein

body I of transgenic rice seeds using the promoter and signal sequence of glutelin GluB-1 gene

L12 ANSWER 5 OF 19 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
TI Clinical risk assessment of GM foods

L12 ANSWER 6 OF 19 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
TI Downregulation of Arah2, a major peanut allergen in transgenic peanut plants.

L12 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Production of allergens with recombinant plant cells and transgenic plants

L12 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Transgenic expressing mature ragweed pollen allergen for development of anti allergic agent

L12 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Isolation and sequence of a full length genomic clone for allergen Ara h2 and down-regulation and silencing of allergen genes in transgenic peanut seeds

L12 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Transgenic rice expressing potato adenosine diphosphoglucose-starch glucosyltransferase to reduce allergen content in rice products

=> d l12 1,4,7 bib

L12 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:19773 CAPLUS  
DN 140:110096  
TI Expression and glycosylation of dust mite cysteine protease allergens in transgenic plants for use in diagnosis and treatment of human allergies  
IN Gomord, Veronique; Lienard, David; Van Ree, Ronald; Van Ooert, Erika; Dorlhac de Borne, Francois; Didier, Laurent Alain; Faye, Loic  
PA Stallergenes S.A., Fr.; Societe Nationale d'Exploitation Industrielle ses Tabacs et Allumettes (S.E.I.T.A)  
SO Fr. Demande, 63 pp.  
CODEN: FRXXBL  
DT Patent  
LA French  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2841906	A1	20040109	FR 2002-8485	20020705
	WO 2004005334	A2	20040115	WO 2003-FR2085	20030704
	WO 2004005334	A3	20040506		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI FR 2002-8485 A 20020705

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:674739 CAPLUS



DN 139:394794  
 TI Accumulation of Japanese cedar pollen allergen, Cry j 1, in the protein body I of transgenic rice seeds using the promoter and signal sequence of glutelin GluB-1 gene  
 AU Okada, Anzu; Okada, Takashi; Ide, Takeshi; Itoh, Mituaki; Tanaka, Kunisuke; Takaiwa, Fumio; Toriyama, Kinya  
 CS Graduate School of Agricultural Science, Laboratory of Plant Breeding and Genetics, Tohoku University, Tsutsumidori-Amamiyamachi, Aoba-ku, Sendai, 981-8555, Japan  
 SO Molecular Breeding (2003), 12(1), 61-70  
 CODEN: MOBRFL; ISSN: 1380-3743  
 PB Kluwer Academic Publishers  
 DT Journal  
 LA English  
 RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:886531 CAPLUS  
 DN 136:36489  
 TI Production of allergens with recombinant plant cells and transgenic plants  
 IN Bonneau, Caroline; Van Ree, Ronald; Van Oort, Erica; Dorlhac De Borne, Francois; Faye, Loiee; Gomord, Veronique  
 PA Seita Groupe Altadis, Fr.; Stallergenes  
 SO PCT Int. Appl., 35 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA French  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001092546	A1	200111206	WO 2001-FR1665	20010529
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG FR 2809413 A1 20011130 FR 2000-6855 20000529 PRAI FR 2000-6855 A 20000529				
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

=> d l12 11-19 ti

L12 ANSWER 11 OF 19 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 TI Characterization of antibody responses induced in rodents by exposure to food proteins: Influence of route of exposure.

L12 ANSWER 12 OF 19 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 1  
 TI Reduction in allergenicity of grass pollen by genetic engineering.

L12 ANSWER 13 OF 19 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
 TI Biotechnology and allergic risk

L12 ANSWER 14 OF 19 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 2  
 TI [Evaluation of the safety of foods derived from genetically modified organisms].  
 Evaluation de l'innocuite des aliments issus d'organismes genetiquement modifies.

L12 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Recombinant proteins in newly developed foods: identification of  
 allergenic activity

L12 ANSWER 16 OF 19 AGRICOLA Compiled and distributed by the National  
 Agricultural Library of the Department of Agriculture of the United States  
 of America. It contains copyrighted materials. All rights reserved.  
 (2004) on STN  
 TI The potential for allergenicity in transgenic foods.

L12 ANSWER 17 OF 19 AGRICOLA Compiled and distributed by the National  
 Agricultural Library of the Department of Agriculture of the United States  
 of America. It contains copyrighted materials. All rights reserved.  
 (2004) on STN DUPLICATE 3  
 TI Determination of the safety of genetically engineered crops.

L12 ANSWER 18 OF 19 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 4  
 TI Aminoglycoside 3[prime]-phosphotransferase II (APH(3[prime])II): review of  
 its safety and use in the production of genetically engineered plants.

L12 ANSWER 19 OF 19 CABA COPYRIGHT 2004 CABI on STN  
 TI In situ seed production after pollination with in-vitro-matured, isolated  
 pollen.

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
 10:08:43 ON 23 JUL 2004

L1 56 S (KJAERULFF, S? OR KJAERULFF S?)/AU  
 L2 81 S (ROGGEN, E? OR ROGGEN E?)/AU  
 L3 1 S L1 AND L2  
 L4 136 S L1 OR L2  
 L5 135 S L4 NOT L3  
 L6 13 S L5 AND (EPITOPE OR ALLERGEN)  
 L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)  
 L8 52079 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECO  
 L9 273 S L8 AND ALLERGEN  
 L10 24 S PLANT(S)TRANSGENIC(S)ALLERGEN  
 L11 24 S L10 NOT L4  
 L12 19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

=> file uspatfull

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	66.64	66.85

FILE 'USPATFULL' ENTERED AT 10:17:12 ON 23 JUL 2004  
 CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 22 Jul 2004 (20040722/PD)  
 FILE LAST UPDATED: 22 Jul 2004 (20040722/ED)  
 HIGHEST GRANTED PATENT NUMBER: US6766528  
 HIGHEST APPLICATION PUBLICATION NUMBER: US2004143878  
 CA INDEXING IS CURRENT THROUGH 22 Jul 2004 (20040722/UPCA)  
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 22 Jul 2004 (20040722/PD)  
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2004  
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2004

>>> USPAT2 is now available. USPATFULL contains full text of the	<<<
>>> original, i.e., the earliest published granted patents or	<<<
>>> applications. USPAT2 contains full text of the latest US	<<<
>>> publications, starting in 2001, for the inventions covered in	<<<

```

>>> USPATFULL. A USPATFULL record contains not only the original <<<
>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc. <<<

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>>> USPATFULL and USPAT2 can be accessed and searched together <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<
>>> enter this cluster. <<<
>>> Use USPATALL when searching terms such as patent assignees, <<<
>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

```

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> S (KJAERULFF, S? OR KJAERULFF S?)/AU
      7 KJAERULFF, S?/AU
      7 KJAERULFF S?/AU
L13      7 (KJAERULFF, S? OR KJAERULFF S?)/AU

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=> S (ROGGEN, E? OR ROGGEN E?)/AU
      13 ROGGEN, E?/AU
      13 ROGGEN E?/AU
L14      13 (ROGGEN, E? OR ROGGEN E?)/AU

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=> s l13 and l14
L15      1 L13 AND L14

```

```

=> d l15 bib

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```

L15 ANSWER 1 OF 1 USPATFULL on STN
AN 2003:58784 USPATFULL
TI Transgenic plants
IN Kjaerulff, Soren, Vanlose, DENMARK
   Roggen, Erwin Ludo, Lyngby, DENMARK
PA Novozymes A/S, Bagsvaerd, DENMARK, DK-2880 (non-U.S. corporation)
PI US 2003041354 A1 20030227
AI US 2001-981009 A1 20011016 (9)
PRAI DK 2000-1546 20001017
      US 2000-241870P 20001020 (60)
DT Utility
FS APPLICATION
LREP NOVOZYMES NORTH AMERICA, INC., 500 FIFTH AVENUE, SUITE 1600, NEW YORK,
      NY, 10110
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2343
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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=> s l13 or l14
L16      19 L13 OR L14

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=> s l16 not l15
L17      18 L16 NOT L15

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=> S PLANT(S) TRANSGENIC(S) ALLERGEN
      210493 PLANT
      27841 TRANSGENIC
      3534 ALLERGEN

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L18            13 PLANT(S) TRANSGENIC(S) ALLERGEN

=> s l18 not l17

L19            13 L18 NOT L17

=> d l17 1-18 ti

L17 ANSWER 1 OF 18 USPATFULL on STN  
TI      Method for production of a protease-inhibitor complex

L17 ANSWER 2 OF 18 USPATFULL on STN  
TI      Alpha-amylase mutants

L17 ANSWER 3 OF 18 USPATFULL on STN  
TI      Low allergenic protein variants

L17 ANSWER 4 OF 18 USPATFULL on STN  
TI      Polypeptides conjugated to copolymers of ethylene oxide and propylene  
         oxide to reduce allergenicity

L17 ANSWER 5 OF 18 USPATFULL on STN  
TI      Modified enzymes having polymer conjugates

L17 ANSWER 6 OF 18 USPATFULL on STN  
TI      Lipolytic enzyme variant

L17 ANSWER 7 OF 18 USPATFULL on STN  
TI      Diagnostic kit for detecting immunogenic response and method of  
         screening

L17 ANSWER 8 OF 18 USPATFULL on STN  
TI      Modified polypeptides

L17 ANSWER 9 OF 18 USPATFULL on STN  
TI      Alpha-amylase variants

L17 ANSWER 10 OF 18 USPATFULL on STN  
TI      Automated mechanical stress assay for screening cleaning ingredients

L17 ANSWER 11 OF 18 USPATFULL on STN  
TI      Method for the assessment of allergenicity

L17 ANSWER 12 OF 18 USPATFULL on STN  
TI      Alpha-amylase mutants with altered properties

L17 ANSWER 13 OF 18 USPATFULL on STN  
TI      Modified polypeptide

L17 ANSWER 14 OF 18 USPATFULL on STN  
TI      Alpha-amylase variants

L17 ANSWER 15 OF 18 USPATFULL on STN  
TI      High throughput screening (HTS) assays

L17 ANSWER 16 OF 18 USPATFULL on STN  
TI      Polypeptides conjugated with polymers

L17 ANSWER 17 OF 18 USPATFULL on STN  
TI      Modified polypeptide

L17 ANSWER 18 OF 18 USPATFULL on STN  
TI       $\alpha$ -Amylase variants

=> d l17 3,8,9,11,12,13,14,17,18 bib

L17 ANSWER 3 OF 18 USPATFULL on STN  
 AN 2004:27057 USPATFULL  
 TI Low allergenic protein variants  
 IN Olsen, Arne Agerlin, Kaplevej, DENMARK  
**Roggen, Erwin Lugo**, Lyngby, DENMARK  
 Ernst, Steffen, Kobenhavn N, DENMARK  
 PA Novozymes A/S, Bagsvaerd, DENMARK (non-U.S. corporation)  
 PI US 6686164 B1 20040203  
 AI US 1999-417608 19991013 (9)  
 PRAI DK 1998-1402 19981030  
 DK 1998-1645 19981125  
 DK 1999-1417 19991004  
 US 1999-157429P 19991004 (60)  
 US 1998-111386P 19981208 (60)  
 US 1998-107165P 19981105 (60)  
 DT Utility  
 FS GRANTED  
 EXNAM Primary Examiner: Celsa, Bennett  
 LREP Lambins, Elias J.  
 CLMN Number of Claims: 21  
 ECL Exemplary Claim: 1  
 DRWN 2 Drawing Figure(s); 2 Drawing Page(s)  
 LN.CNT 2362  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 8 OF 18 USPATFULL on STN  
 AN 2003:127570 USPATFULL  
 TI Modified polypeptides  
 IN Olsen, Arne Agerlin, Virum, DENMARK  
 Osten, Claus von der, Lyngby, DENMARK  
 Andersen, Kim Vilbour, Copenhagen, DENMARK  
 Ernst, Steffen, Kobenhavn, DENMARK  
**Roggen, Erwin Ludo**, Lyngby, DENMARK  
 PA Novozymes A/S, Bagsvaerd, DENMARK, DK-2880 (non-U.S. corporation)  
 PI US 2003087785 A1 20030508  
 AI US 2002-209812 A1 20020801 (10)  
 RLI Continuation of Ser. No. US 1999-417359, filed on 13 Oct 1999, GRANTED,  
 Pat. No. US 6461849  
 PRAI DK 1998-1301 19981013  
 DK 1999-1418 19991004  
 US 1999-157426P 19991004 (60)  
 US 1998-105624P 19981026 (60)  
 DT Utility  
 FS APPLICATION  
 LREP NOVOZYMES NORTH AMERICA, INC., 500 FIFTH AVENUE, SUITE 1600, NEW YORK,  
 NY, 10110  
 CLMN Number of Claims: 58  
 ECL Exemplary Claim: 1  
 DRWN 2 Drawing Page(s)  
 LN.CNT 2287  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 9 OF 18 USPATFULL on STN  
 AN 2003:64833 USPATFULL  
 TI Alpha-amylase variants  
 IN Andersen, Carsten, Vaerloose, DENMARK  
 Jorgensen, Christel Thea, Kobenhavn O, DENMARK  
 Bisgard-Frantzen, Henrik, Bagsvaerd, DENMARK  
 Svendsen, Allan, Birkerod, DENMARK  
**Kjaerulff, Soren**, Vanlose, DENMARK  
 PA Novozymes A/S, Bagsvaerd, DENMARK, 2880 (non-U.S. corporation)  
 PI US 2003044954 A1 20030306  
 AI US 2002-146327 A1 20020515 (10)  
 RLI Division of Ser. No. US 2000-537168, filed on 29 Mar 2000, GRANTED, Pat.

No. US 6410295  
PRAI DK 1999-437 19990330  
US 1999-127427P 19990401 (60)  
DT Utility  
FS APPLICATION  
LREP NOVOZYMES NORTH AMERICA, INC., 500 FIFTH AVENUE, SUITE 1600, NEW YORK,  
NY, 10110  
CLMN Number of Claims: 25  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2484  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 11 OF 18 USPATFULL on STN  
AN 2003:44762 USPATFULL  
TI Method for the assessment of allergenicity  
IN **Roggen, Erwin Ludo**, Lyngby, DENMARK  
Ernst, Steffen, Kobenhavn, DENMARK  
PA Novozymes A/S, Bagsvaerd, DENMARK (non-U.S. corporation)  
PI US 2003032072 A1 20030213  
AI US 2002-254288 A1 20020925 (10)  
RLI Continuation of Ser. No. US 2000-689554, filed on 12 Oct 2000, PENDING  
PRAI DK 1999-1486 19991015  
US 1999-160543P 19991020 (60)  
DT Utility  
FS APPLICATION  
LREP NOVOZYMES NORTH AMERICA, INC., 500 FIFTH AVENUE, SUITE 1600, NEW YORK,  
NY, 10110  
CLMN Number of Claims: 67  
ECL Exemplary Claim: 1  
DRWN 5 Drawing Page(s)  
LN.CNT 1317  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 12 OF 18 USPATFULL on STN  
AN 2002:280138 USPATFULL  
TI Alpha-amylase mutants with altered properties  
IN Thisted, Thomas, Rungsted Kyst, DENMARK  
**Kjaerulff, Soren**, Vanlose, DENMARK  
Andersen, Carsten, Vaerloese, DENMARK  
Fuglsang, Claus Crone, Niva, DENMARK  
PA Novozymes A/S, Bagsvaerd, DENMARK, DK-2880 (non-U.S. corporation)  
PI US 2002155574 A1 20021024  
AI US 2001-918543 A1 20010731 (9)  
PRAI DK 2000-1160 20000801  
DK 2000-1354 20000912  
DK 2000-1687 20001110  
DK 2001-655 20010426  
US 2000-225140P 20000814 (60)  
US 2000-233986P 20000920 (60)  
US 2000-249104P 20001116 (60)  
US 2001-286869P 20010426 (60)  
DT Utility  
FS APPLICATION  
LREP NOVOZYMES NORTH AMERICA, INC., 500 FIFTH AVENUE, SUITE 1600, NEW YORK,  
NY, 10110  
CLMN Number of Claims: 26  
ECL Exemplary Claim: 1  
DRWN 3 Drawing Page(s)  
LN.CNT 2878  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 13 OF 18 USPATFULL on STN  
AN 2002:262227 USPATFULL  
TI Modified polypeptide

IN Olsen, Arne Agerlin, Virum, DENMARK  
 Osten, Claus von der, Lyngby, DENMARK  
 Andersen, Kim Vilbourn, Copenhagen, DENMARK  
 Ernst, Steffen, Kobenhavn, DENMARK  
**Roggen, Erwin Ludo**, Lyngby, DENMARK  
 PA Novozymes, A/S, Bagsvaerd, DENMARK (non-U.S. corporation)  
 PI US 6461849 B1 20021008  
 AI US 1999-417359 19991013 (9)  
 PRAI DK 1998-1301 19981013  
 DK 1999-1418 19991004  
 US 1998-105624P 19981026 (60)  
 US 1999-157426P 19991004 (60)  
 DT Utility  
 FS GRANTED  
 EXNAM Primary Examiner: Nashed, Nashaat T.  
 LREP Lambiris, Elias J., Garbell, Jason I.  
 CLMN Number of Claims: 9  
 ECL Exemplary Claim: 1  
 DRWN 2 Drawing Figure(s); 2 Drawing Page(s)  
 LN.CNT 3880  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 14 OF 18 USPATFULL on STN  
 AN 2002:152441 USPATFULL  
 TI Alpha-amylase variants  
 IN Andersen, Carsten, Vaerl.o slashed.se, DENMARK  
 J.o slashed.rgensen, Christel Thea, K .o slashed.benhavn .O slashed.,  
 DENMARK  
 Bisg.ang.rd-Frantzen, Henrik, Bagsvaerd, DENMARK  
 Svendsen, Allan, Birker.o slashed.d, DENMARK  
**Kjaerulff, S.o slashed.ren**, Vanl.o slashed.se, DENMARK  
 PA Novozymes A/S, Bagsvaerd, DENMARK (non-U.S. corporation)  
 PI US 6410295 B1 20020625  
 AI US 2000-537168 20000329 (9)  
 PRAI DK 1999-437 19990330  
 US 1999-127427P 19990401 (60)  
 DT Utility  
 FS GRANTED  
 EXNAM Primary Examiner: Murthy, Ponnathapuachuta; Assistant Examiner: Rao,  
 Manjunath N.  
 LREP Lambiris, Elias, Garbell, Jason  
 CLMN Number of Claims: 33  
 ECL Exemplary Claim: 1  
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
 LN.CNT 1717  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 17 OF 18 USPATFULL on STN  
 AN 2001:86602 USPATFULL  
 TI Modified polypeptide  
 IN von der Osten, Claus, Lyngby, Denmark  
 Olsen, Arne Agerlin, Virum, Denmark  
**Roggen, Erwin Ludo**, Lyngby, Denmark  
 PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)  
 PI US 6245901 B1 20010612  
 AI US 1998-24532 19980217 (9)  
 RLI Continuation of Ser. No. WO 1998-DK46, filed on 6 Feb 1998  
 PRAI DK 1997-135 19970206  
 DT Utility  
 FS GRANTED  
 EXNAM Primary Examiner: Achutamurthy, Ponnathapu; Assistant Examiner: Moore,  
 William W.  
 LREP Lambiris, Elias J.  
 CLMN Number of Claims: 23  
 ECL Exemplary Claim: 1

DRWN 1 Drawing Figure(s); 1 Drawing Page(s)  
LN.CNT 3644  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 18 OF 18 USPATFULL on STN  
AN 2001:33062 USPATFULL  
TI  $\alpha$ -Amylase variants  
IN Svendsen, Allan, Birkerød, Denmark  
Kjaerulff, Soeren, Vanlose, Denmark  
Bisgaard-Frantzen, Henrik, Bagsvaerd, Denmark  
Andersen, Carsten, Vaerloese, Denmark  
PA Novo-Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)  
Novo Alle, Bagsvaerd, Denmark (non-U.S. corporation)  
PI US 6197565 B1 20010306  
AI US 1998-193068 19981116 (9)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Prouty, Rebecca E.; Assistant Examiner: Hutson,  
Richard  
LREP Lambiris, Esq., Elias J.  
CLMN Number of Claims: 21  
ECL Exemplary Claim: 1  
DRWN 2 Drawing Figure(s); 4 Drawing Page(s)  
LN.CNT 1279  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
10:08:43 ON 23 JUL 2004

L1 56 S (KJAERULFF, S? OR KJAERULFF S?)/AU  
L2 81 S (ROGGEN, E? OR ROGGEN E?)/AU  
L3 1 S L1 AND L2  
L4 136 S L1 OR L2  
L5 135 S L4 NOT L3  
L6 13 S L5 AND (EPITOPE OR ALLERGEN)  
L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)  
L8 52079 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECO  
L9 273 S L8 AND ALLERGEN  
L10 24 S PLANT(S)TRANSGENIC(S)ALLERGEN  
L11 24 S L10 NOT L4  
L12 19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 10:17:12 ON 23 JUL 2004

L13 7 S (KJAERULFF, S? OR KJAERULFF S?)/AU  
L14 13 S (ROGGEN, E? OR ROGGEN E?)/AU  
L15 1 S L13 AND L14  
L16 19 S L13 OR L14  
L17 18 S L16 NOT L15  
L18 13 S PLANT(S)TRANSGENIC(S)ALLERGEN  
L19 13 S L18 NOT L17

=> d l19 1-3 ti

L19 ANSWER 1 OF 13 USPATFULL on STN  
TI Plant cell wall loosening activity of group 2/3 allergens of grass  
pollen

L19 ANSWER 2 OF 13 USPATFULL on STN  
TI Nucleic acids and proteins with thioredoxin reductase activity

L19 ANSWER 3 OF 13 USPATFULL on STN



TI      Methods and reagents for decreasing clinical reaction to allergy

=>

=>

=>

=>

<-----User Break----->

=> d l19 1-13 ti

L19    ANSWER 1 OF 13    USPATFULL on STN

TI      Plant cell wall loosening activity of group 2/3 allergens of grass pollen

L19    ANSWER 2 OF 13    USPATFULL on STN

TI      Nucleic acids and proteins with thioredoxin reductase activity

L19    ANSWER 3 OF 13    USPATFULL on STN

TI      Methods and reagents for decreasing clinical reaction to allergy

L19    ANSWER 4 OF 13    USPATFULL on STN

TI      Modification of pollen coat protein composition

L19    ANSWER 5 OF 13    USPATFULL on STN

TI      Cloning and sequencing of the allergen Dac g5 of Dactylis glomerata pollen, its preparation and its use

L19    ANSWER 6 OF 13    USPATFULL on STN

TI      Nucleic acids and proteins with thioredoxin reductase activity

L19    ANSWER 7 OF 13    USPATFULL on STN

TI      Pollen-specific novel calmodulin-binding protein, NPG1 (No Pollen Germination1), promoter, coding sequences and methods for using the same

L19    ANSWER 8 OF 13    USPATFULL on STN

TI      Methods and reagents for decreasing clinical reaction to allergy

L19    ANSWER 9 OF 13    USPATFULL on STN

TI      Transgenic plants

L19    ANSWER 10 OF 13    USPATFULL on STN

TI      Hypoallergenic transgenic soybeans

L19    ANSWER 11 OF 13    USPATFULL on STN

TI      Method for assessing food allergenicity

L19    ANSWER 12 OF 13    USPATFULL on STN

TI      Method for screening an expression cDNA clone bank for the detection of polynucleotides

L19    ANSWER 13 OF 13    USPATFULL on STN

TI      Method for screening an expression cDNA clone bank for the detection of polynucleotides

=> d l19 4,9,10,12,13 bib

L19    ANSWER 4 OF 13    USPATFULL on STN

AN      2003:259638    USPATFULL

TI      Modification of pollen coat protein composition

IN      Robert, Laurian S., Gatineau, CANADA

         Gleddie, Stephen, Ottawa, CANADA

         Foster, Elizabeth, Nepean, CANADA

PI US 2003182691 A1 20030925  
AI US 2002-322656 A1 20021219 (10)  
RLI Continuation-in-part of Ser. No. US 1999-272204, filed on 19 Mar 1999,  
ABANDONED  
PRAI US 1998-78728P 19980320 (60)  
DT Utility  
FS APPLICATION  
LREP OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VA, 22320  
CLMN Number of Claims: 31  
ECL Exemplary Claim: 1  
DRWN 45 Drawing Page(s)  
LN.CNT 5454  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 9 OF 13 USPATFULL on STN  
AN 2003:58784 USPATFULL  
TI Transgenic plants  
IN Kjaerulff, Soren, Vanlose, DENMARK  
Roggen, Erwin Ludo, Lyngby, DENMARK  
PA Novozymes A/S, Bagsvaerd, DENMARK, DK-2880 (non-U.S. corporation)  
PI US 2003041354 A1 20030227  
AI US 2001-981009 A1 20011016 (9)  
PRAI DK 2000-1546 20001017  
US 2000-241870P 20001020 (60)  
DT Utility  
FS APPLICATION  
LREP NOVOZYMES NORTH AMERICA, INC., 500 FIFTH AVENUE, SUITE 1600, NEW YORK,  
NY, 10110  
CLMN Number of Claims: 34  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2343  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 10 OF 13 USPATFULL on STN  
AN 2003:58780 USPATFULL  
TI Hypoallergenic transgenic soybeans  
IN Kinney, Anthony J., Wilmington, DE, UNITED STATES  
Jung, Rudolf, Des Moines, IA, UNITED STATES  
PI US 2003041350 A1 20030227  
AI US 2001-805694 A1 20010314 (9)  
PRAI US 2000-189823P 20000316 (60)  
DT Utility  
FS APPLICATION  
LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY  
MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805  
CLMN Number of Claims: 90  
ECL Exemplary Claim: 1  
DRWN 5 Drawing Page(s)  
LN.CNT 2303  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 12 OF 13 USPATFULL on STN  
AN 1998:143952 USPATFULL  
TI Method for screening an expression cDNA clone bank for the detection of  
polynucleotides  
IN Breitenbach, Michael, Vienna, Austria  
Kraft, Dietrich, Vienna, Austria  
Rumpold, Helmut, Vienna, Austria  
Scheiner, Otto, Mariaenzersdorf, Austria  
Breiteneder, Heimo, Vienna, Austria  
Pettenburger, Karin, Vienna, Austria  
Valenta, Rudolf, Theresienfeld, Austria  
PA Biomay Produktions-Und Handelsgesellschaft m.b.H., Linz, Austria  
(non-U.S. corporation)

PI US 5837550 19981117  
AI US 1994-255127 19940607 (8)  
RLI Continuation of Ser. No. US 1993-59197, filed on 5 May 1993, now  
abandoned which is a continuation of Ser. No. US 1989-353844, filed on  
18 May 1989, now abandoned  
PRAI AT 1988-2554 19881014  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Woodward, Michael P.  
LREP Pennie & Edmonds LLP  
CLMN Number of Claims: 2  
ECL Exemplary Claim: 1  
DRWN 13 Drawing Figure(s); 12 Drawing Page(s)  
LN.CNT 1160  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 13 OF 13 USPATFULL on STN  
AN 1998:88945 USPATFULL  
TI Method for screening an expression cDNA clone bank for the detection of  
polynucleotides  
IN Breitenbach, Michael, Vienna, Austria  
Kraft, Dietrich, Vienna, Austria  
Rumpold, Helmut, Vienna, Austria  
Scheiner, Otto, Mariaenzersdorf, Austria  
Breiteneder, Heimo, Vienna, Austria  
Pettenburger, Karin, Vienna, Austria  
Valenta, Rudolf, Theresienfeld, Austria  
PA Biomay Produktions-Und Handelsgesellschaft m.b.h., Linz, Austria  
(non-U.S. corporation)  
PI US 5786466 19980728  
AI US 1995-470877 19950606 (8)  
RLI Division of Ser. No. US 1994-255127, filed on 7 Jun 1994 which is a  
continuation of Ser. No. US 1993-59197, filed on 5 May 1993, now  
abandoned which is a continuation of Ser. No. US 1989-353844, filed on  
18 May 1989, now abandoned  
PRAI AT 1988-2554 19881014  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Woodward, Michael P.  
LREP Pennie & Edmonds LLP  
CLMN Number of Claims: 17  
ECL Exemplary Claim: 1  
DRWN 13 Drawing Figure(s); 12 Drawing Page(s)  
LN.CNT 1210  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
10:08:43 ON 23 JUL 2004

L1 56 S (KJAERULFF, S? OR KJAERULFF S?)/AU  
L2 81 S (ROGGEN, E? OR ROGGEN E?)/AU  
L3 1 S L1 AND L2  
L4 136 S L1 OR L2  
L5 135 S L4 NOT L3  
L6 13 S L5 AND (EPITOPE OR ALLERGEN)  
L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)  
L8 52079 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECO  
L9 273 S L8 AND ALLERGEN  
L10 24 S PLANT(S)TRANSGENIC(S)ALLERGEN  
L11 24 S L10 NOT L4  
L12 19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 10:17:12 ON 23 JUL 2004

L13 7 S (KJAERULFF, S? OR KJAERULFF S?)/AU  
L14 13 S (ROGGEN, E? OR ROGGEN E?)/AU  
L15 1 S L13 AND L14  
L16 19 S L13 OR L14  
L17 18 S L16 NOT L15  
L18 13 S PLANT(S) TRANSGENIC(S) ALLERGEN  
L19 13 S L18 NOT L17

=> s allergen(s) recombinant(s) immunogenicity

3534 ALLERGEN  
78304 RECOMBINANT  
17529 IMMUNOGENICITY

L20 7 ALLERGEN(S) RECOMBINANT(S) IMMUNOGENICITY

=> d l20 1-7 ti

L20 ANSWER 1 OF 7 USPATFULL on STN

TI Systemic immune activation method using nucleic acid-lipid complexes

L20 ANSWER 2 OF 7 USPATFULL on STN

TI **Recombinant** hybrid **allergen** constructs with reduced allergenicity that retain **immunogenicity** of the natural **allergen**

L20 ANSWER 3 OF 7 USPATFULL on STN

TI Elisa screening method for inhibitors of human IgE binding to the high affinity receptor, FcεRIα

L20 ANSWER 4 OF 7 USPATFULL on STN

TI Insect cells or fractions as adjuvant for antigens

L20 ANSWER 5 OF 7 USPATFULL on STN

TI Interleukin-2 stimulated T lymphocyte cell death for the treatment of autoimmune diseases, allergic responses, and graft rejection

L20 ANSWER 6 OF 7 USPATFULL on STN

TI Interleukin-2 stimulated T lymphocyte cell death for the treatment of allergic responses

L20 ANSWER 7 OF 7 USPATFULL on STN

TI Interleukin-4 stimulated T lymphocyte cell death for the treatment of allergic disorders

=> d l20 2 bib

L20 ANSWER 2 OF 7 USPATFULL on STN

AN 2003:57096 USPATFULL

TI **Recombinant** hybrid **allergen** constructs with reduced allergenicity that retain **immunogenicity** of the natural **allergen**

IN King, Te Piao, New York, NY, UNITED STATES

PA Spangfort, Michael Dho, Viken, SWEDEN

PA The Rockefeller University (U.S. corporation)

PI US 2003039660 A1 20030227

AI US 2002-91135 A1 20020304 (10)

PRAI US 2001-272818P 20010302 (60)

DT Utility

FS APPLICATION

LREP DARBY & DARBY P.C., 805 Third Avenue, New York, NY, 10022

CLMN Number of Claims: 35

ECL Exemplary Claim: 1

DRWN 13 Drawing Page(s)

LN.CNT 7866  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s recombinant(s)allergen(s)variant  
78304 RECOMBINANT  
3534 ALLERGEN  
120282 VARIANT

L21 27 RECOMBINANT(S)ALLERGEN(S)VARIANT

=> s l21 not l20

L22 27 L21 NOT L20

=> d l22 1-10 ti

L22 ANSWER 1 OF 27 USPATFULL on STN

TI Branched immunomodulatory compounds and methods of using the same

L22 ANSWER 2 OF 27 USPATFULL on STN

TI Chimeric immunomodulatory compounds and methods of using the same-IV

L22 ANSWER 3 OF 27 USPATFULL on STN

TI Plant cell wall loosening activity of group 2/3 allergens of grass pollen

L22 ANSWER 4 OF 27 USPATFULL on STN

TI Recombinant DNA encoding the major allergen of plantago lanceolata pollen, Pla I 1, and applications thereof

L22 ANSWER 5 OF 27 USPATFULL on STN

TI Allergen mutants

L22 ANSWER 6 OF 27 USPATFULL on STN

TI Chimeric immunomodulatory compounds and methods of using the same - III

L22 ANSWER 7 OF 27 USPATFULL on STN

TI Chimeric immunomodulatory compounds and methods of using the same - II

L22 ANSWER 8 OF 27 USPATFULL on STN

TI Novel mutant allergens

L22 ANSWER 9 OF 27 USPATFULL on STN

TI Non-anaphylactic forms of grass pollen Phl p 6 allergen and their use

L22 ANSWER 10 OF 27 USPATFULL on STN

TI Immunomodulatory compositions, formulations, and methods for use thereof

=> d l22 4,5,2,6,7,8,9,10 bib

L22 ANSWER 4 OF 27 USPATFULL on STN

AN 2004:94265 USPATFULL

TI Recombinant DNA encoding the major allergen of plantago lanceolata pollen, Pla I 1, and applications thereof

IN Freile, Belen Calobozo, Madrid, SPAIN

Perales, Araceli Diaz, Madrid, SPAIN

Hernandez, Domingo Barber, Madrid, SPAIN

Duran, Gabriel Salcedo, Madrid, SPAIN

Corrales, Florentino Polo, Madrid, SPAIN

PA ALK-ABELLO A/S (non-U.S. corporation)

PI US 2004071717 A1 20040415

AI US 2002-161551 A1 20020903 (10)

PRAI DK 2001-857 20010530

US 2001-294672P 20010530 (60)

DT Utility

FS APPLICATION  
LREP DARBY & DARBY P.C., P. O. BOX 5257, NEW YORK, NY, 10150-5257  
CLMN Number of Claims: 20  
ECL Exemplary Claim: 1  
DRWN 3 Drawing Page(s)  
LN.CNT 1292  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 5 OF 27 USPATFULL on STN  
AN 2004:57436 USPATFULL  
TI Allergen mutants  
IN Holm, Jens, Copenhagen N, DENMARK  
Ferrerias, Mercedes, Copenhagen O, DENMARK  
PA ALK-Abello A/S, Horsholm, DENMARK (non-U.S. corporation)  
PI US 2004043438 A1 20040304  
AI US 2003-440516 A1 20030516 (10)  
PRAI US 2002-381440P 20020516 (60)  
DT Utility  
FS APPLICATION  
LREP DARBY & DARBY P.C., P. O. BOX 5257, NEW YORK, NY, 10150-5257  
CLMN Number of Claims: 74  
ECL Exemplary Claim: 1  
DRWN 37 Drawing Page(s)  
LN.CNT 4420  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 2 OF 27 USPATFULL on STN  
AN 2004:172513 USPATFULL  
TI Chimeric immunomodulatory compounds and methods of using the same-IV  
IN Fearon, Karen L., Lafayette, CA, UNITED STATES  
Dina, Dino, Oakland, CA, UNITED STATES  
Tuck, Stephen F., Oakland, CA, UNITED STATES  
PI US 2004132677 A1 20040708  
AI US 2003-623371 A1 20030718 (10)  
RLI Continuation-in-part of Ser. No. US 2002-328578, filed on 23 Dec 2002,  
PENDING Continuation-in-part of Ser. No. US 2002-176883, filed on 21 Jun  
2002, PENDING Continuation-in-part of Ser. No. US 2002-177826, filed on  
21 Jun 2002, PENDING  
PRAI US 2001-299883P 20010621 (60)  
US 2002-375253P 20020423 (60)  
US 2002-375253P 20020423 (60)  
US 2001-299883P 20010621 (60)  
DT Utility  
FS APPLICATION  
LREP MORRISON & FOERSTER LLP, 755 PAGE MILL RD, PALO ALTO, CA, 94304-1018  
CLMN Number of Claims: 15  
ECL Exemplary Claim: 1  
DRWN 21 Drawing Page(s)  
LN.CNT 8072

L22 ANSWER 6 OF 27 USPATFULL on STN  
AN 2003:319267 USPATFULL  
TI Chimeric immunomodulatory compounds and methods of using the same - III  
IN Fearon, Karen L., Lafayette, CA, UNITED STATES  
Dina, Dino, Oakland, CA, UNITED STATES  
Tuck, Stephen F., Oakland, CA, UNITED STATES  
PI US 2003225016 A1 20031204  
AI US 2002-328578 A1 20021223 (10)  
RLI Continuation-in-part of Ser. No. US 2002-176883, filed on 21 Jun 2002,  
PENDING Continuation-in-part of Ser. No. US 2002-177826, filed on 21 Jun  
2002, PENDING  
PRAI US 2001-299883P 20010621 (60)  
US 2002-375253P 20020423 (60)  
US 2001-299883P 20010621 (60)  
US 2002-375253P 20020423 (60)

DT Utility  
FS APPLICATION  
LREP Randolph T. Apple, Morrison & Foerster LLP, 755 Page Mill Road, Palo  
Alto, CA, 94304-1018  
CLMN Number of Claims: 33  
ECL Exemplary Claim: 1  
DRWN 19 Drawing Page(s)  
LN.CNT 7262  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 7 OF 27 USPATFULL on STN  
AN 2003:283122 USPATFULL  
TI Chimeric immunomodulatory compounds and methods of using the same - 11  
IN Fearon, Karen L., Lafayette, CA, UNITED STATES  
Dina, Dino, Oakland, CA, UNITED STATES  
Tuck, Stephen F., Oakland, CA, UNITED STATES  
PI US 2003199466 A1 20031023  
AI US 2002-177826 A1 20020621 (10)  
PRAI US 2001-299883P 20010621 (60)  
US 2002-375253P 20020423 (60)  
DT Utility  
FS APPLICATION  
LREP Randolph T. Apple, Morrison & Foerster LLP, 755 Page Mill Road, Palo  
Alto, CA, 94304-1018  
CLMN Number of Claims: 33  
ECL Exemplary Claim: 1  
DRWN 11 Drawing Page(s)  
LN.CNT 7228  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 8 OF 27 USPATFULL on STN  
AN 2003:250526 USPATFULL  
TI Novel mutant allergens  
IN Holm, Jens, Fredensborg, DENMARK  
Ipsen, Hans Henrik, Hillerod, DENMARK  
Larsen, Jorgen Nedergaard, Graested, DENMARK  
Spangfort, Michael Dho, Helsingborg, SWEDEN  
PA ALK-Abello A/S (non-U.S. corporation)  
PI US 2003175312 A1 20030918  
AI US 2001-1245 A1 20011115 (10)  
PRAI US 2000-249361P 20001116 (60)  
US 2001-298170P 20010614 (60)  
DT Utility  
FS APPLICATION  
LREP DARBY & DARBY P.C., 805 Third Avenue, New York, NY, 10022  
CLMN Number of Claims: 65  
ECL Exemplary Claim: 1  
DRWN 54 Drawing Page(s)  
LN.CNT 4299  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 9 OF 27 USPATFULL on STN  
AN 2003:206882 USPATFULL  
TI Non-anaphylactic forms of grass pollen Phl p 6 allergen and their use  
IN Valenta, Rudolf, Theresienfeld, AUSTRIA  
Vrtala, Susanne, Vienna, AUSTRIA  
Stumvoll, Sabine, St. Peter, AUSTRIA  
Gronlund, Hans, Lidingo, SWEDEN  
Grote, Monika, Munster, GERMANY, FEDERAL REPUBLIC OF  
Vangelista, Luca, Padova, ITALY  
Pastore, Annalisa, London, UNITED KINGDOM  
Sperr, Wolfgang R., Vienna, AUSTRIA  
Valent, Peter, Vienna, AUSTRIA  
Kraft, Dietrich, Vienna, AUSTRIA  
PA Pharmacia Diagnostics AB (non-U.S. corporation)

PI US 2003143239 A1 20030731  
AI US 2002-305238 A1 20021127 (10)  
RLI Division of Ser. No. US 2000-696169, filed on 26 Oct 2000, PENDING  
PRAI SE 1999-3950 19991029  
US 1999-164148P 19991108 (60)  
DT Utility  
FS APPLICATION  
LREP BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747  
CLMN Number of Claims: 9  
ECL Exemplary Claim: 1  
DRWN 11 Drawing Page(s)  
LN.CNT 894  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 10 OF 27 USPATFULL on STN  
AN 2003:194178 USPATFULL  
TI Immunomodulatory compositions, formulations, and methods for use thereof  
IN Fearon, Karen L., Lafayette, CA, UNITED STATES  
Dina, Dino, Oakland, CA, UNITED STATES  
PI US 2003133988 A1 20030717  
AI US 2002-214799 A1 20020807 (10)  
PRAI US 2001-310743P 20010807 (60)  
US 2001-335263P 20011025 (60)  
DT Utility  
FS APPLICATION  
LREP Nicholas S. Buffinger, Morrison & Foerster LLP, 755 Page Mill Road, Palo  
Alto, CA, 94304-1018  
CLMN Number of Claims: 63  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 3014  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d l22 11-20 ti

L22 ANSWER 11 OF 27 USPATFULL on STN  
TI Biodegradable immunomodulatory formulations and methods for use thereof  
L22 ANSWER 12 OF 27 USPATFULL on STN  
TI Non-anaphylactic forms of grass pollen Phl p 6 allergen and their use  
L22 ANSWER 13 OF 27 USPATFULL on STN  
TI Fusion molecules and treatment of IgE-mediated allergic diseases  
L22 ANSWER 14 OF 27 USPATFULL on STN  
TI Non-anaphylactic forms of grass pollen Phl p 6 allergen and their use  
L22 ANSWER 15 OF 27 USPATFULL on STN  
TI Methods of treating IgE-associated disorders and compositions for use  
therein  
L22 ANSWER 16 OF 27 USPATFULL on STN  
TI Fusion molecules and methods for treatment of immune diseases  
L22 ANSWER 17 OF 27 USPATFULL on STN  
TI Immunomodulatory formulations and methods for use thereof  
L22 ANSWER 18 OF 27 USPATFULL on STN  
TI Immunomodulatory polynucleotides and methods of using the same  
L22 ANSWER 19 OF 27 USPATFULL on STN  
TI Biodegradable immunomodulatory formulations and methods for use thereof  
L22 ANSWER 20 OF 27 USPATFULL on STN



TI Method for treatment of inflammatory disease

=> d 122 11-20 bib

L22 ANSWER 11 OF 27 USPATFULL on STN  
AN 2003:187464 USPATFULL  
TI Biodegradable immunomodulatory formulations and methods for use thereof  
IN Van Nest, Gary, Martinez, CA, UNITED STATES  
Tuck, Stephen, Oakland, CA, UNITED STATES  
PI US 2003129251 A1 20030710  
AI US 2001-802359 A1 20010309 (9)  
PRAI US 2000-188303P 20000310 (60)  
DT Utility  
FS APPLICATION  
LREP MORRISON & FOERSTER LLP, 755 PAGE MILL RD, PALO ALTO, CA, 94304-1018  
CLMN Number of Claims: 71  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2569  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 12 OF 27 USPATFULL on STN  
AN 2003:148757 USPATFULL  
TI Non-anaphylactic forms of grass pollen Phl p 6 allergen and their use  
IN Valenta, Rudolf, Beethovenstrasse 18, AT-2604 Theresienfeld, AUSTRIA  
Vrtala, Susanne, Vienna, AUSTRIA  
Stummfolll, Sabine, St. Peter, AUSTRIA  
Gronlund, Hans, Lidingo, SWEDEN  
Grote, Monika, Munster, GERMANY, FEDERAL REPUBLIC OF  
Vangelista, Luca, Padova, ITALY  
Pastore, Annalisa, London, UNITED KINGDOM  
Sperr, Wolfgang R., Vienna, AUSTRIA  
Valent, Peter, Vienna, AUSTRIA  
Kraft, Dietrich, Vienna, AUSTRIA  
PA Pharmacia Diagnostics AB, Uppsala, SWEDEN (non-U.S. corporation)  
Valenta, Rudolf, Theresienfeld, AUSTRIA (non-U.S. individual)  
PI US 6572859 B1 20030603  
AI US 2000-696169 20001026 (9)  
PRAI SE 1999-3950 19991029  
US 1999-164148P 19991108 (60)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Chan, Christina; Assistant Examiner: Huynh, Phuong N.  
LREP Birch, Stewart, Kolasch & Birch, LLP  
CLMN Number of Claims: 2  
ECL Exemplary Claim: 1,2  
DRWN 11 Drawing Figure(s); 11 Drawing Page(s)  
LN.CNT 995  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 13 OF 27 USPATFULL on STN  
AN 2003:119705 USPATFULL  
TI Fusion molecules and treatment of IgE-mediated allergic diseases  
IN Saxon, Andrew, Santa Monica, CA, UNITED STATES  
Zhang, Ke, Los Angeles, CA, UNITED STATES  
Zhu, Daocheng, Los Angeles, CA, UNITED STATES  
PI US 2003082190 A1 20030501  
AI US 2001-847208 A1 20010501 (9)  
DT Utility  
FS APPLICATION  
LREP KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR,  
IRVINE, CA, 91614  
CLMN Number of Claims: 72  
ECL Exemplary Claim: 1

DRWN 11 Drawing Page(s)  
LN.CNT 7500  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 14 OF 27 USPATFULL on STN  
AN 2003:112560 USPATFULL  
TI Non-anaphylactic forms of grass pollen Phl p 6 allergen and their use  
IN Valenta, Rudolf, Theresienfeld, AUSTRIA  
Vrtala, Susanne, Vienna, AUSTRIA  
Stumvoll, Sabine, St. Peter, AUSTRIA  
Gronlund, Hans, Lidingo, SWEDEN  
Grote, Monika, Munster, GERMANY, FEDERAL REPUBLIC OF  
Vangelista, Luca, Padova, ITALY  
Pastore, Annalisa, London, UNITED KINGDOM  
Sperr, Wolfgang R., Vienna, AUSTRIA  
Valent, Peter, Vienna, AUSTRIA  
Kraft, Dietrich, Vienna, AUSTRIA  
PA Pharmacia Diagnostics AB (non-U.S. corporation)  
PI US 2003077290 A1 20030424  
AI US 2002-142049 A1 20020510 (10)  
RLI Division of Ser. No. US 2000-696169, filed on 26 Oct 2000, PENDING  
PRAI SE 1999-3950 19991029  
US 1999-164148P 19991108 (60)  
DT Utility  
FS APPLICATION  
LREP BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747  
CLMN Number of Claims: 18  
ECL Exemplary Claim: 1  
DRWN 11 Drawing Page(s)  
LN.CNT 1075  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 15 OF 27 USPATFULL on STN  
AN 2003:92707 USPATFULL  
TI Methods of treating IgE-associated disorders and compositions for use therein  
IN Dina, Dino, Oakland, CA, UNITED STATES  
PI US 2003064064 A1 20030403  
AI US 2002-214288 A1 20020806 (10)  
RLI Continuation of Ser. No. US 1999-397198, filed on 16 Sep 1999, ABANDONED  
PRAI US 1998-100838P 19980918 (60)  
US 1999-136600P 19990528 (60)  
DT Utility  
FS APPLICATION  
LREP Karen R. Zachow, Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA, 94304-1018  
CLMN Number of Claims: 27  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1321  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 16 OF 27 USPATFULL on STN  
AN 2003:92706 USPATFULL  
TI Fusion molecules and methods for treatment of immune diseases  
IN Saxon, Andrew, Santa Monica, CA, UNITED STATES  
PI US 2003064063 A1 20030403  
AI US 2001-439 A1 20011024 (10)  
RLI Continuation-in-part of Ser. No. US 2001-847208, filed on 1 May 2001, PENDING  
DT Utility  
FS APPLICATION  
LREP KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 91614  
CLMN Number of Claims: 59

ECL Exemplary Claim: 1  
DRWN 11 Drawing Page(s)  
LN.CNT 4242  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 17 OF 27 USPATFULL on STN  
AN 2003:86168 USPATFULL  
TI Immunomodulatory formulations and methods for use thereof  
IN Van Nest, Gary, Martinez, CA, UNITED STATES  
Tuck, Stephen, Oakland, CA, UNITED STATES  
Fearon, Karen L., Lafayette, CA, UNITED STATES  
Dina, Dino, Oakland, CA, UNITED STATES  
PI US 2003059773 A1 20030327  
AI US 2001-927884 A1 20010810 (9)  
RLI Continuation-in-part of Ser. No. US 2001-802376, filed on 9 Mar 2001,  
PENDING  
PRAI US 2000-188557P 20000310 (60)  
DT Utility  
FS APPLICATION  
LREP Karen R. Zachow, Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto,  
CA, 94304-1018  
CLMN Number of Claims: 79  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2969  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 18 OF 27 USPATFULL on STN  
AN 2003:70981 USPATFULL  
TI Immunomodulatory polynucleotides and methods of using the same  
IN Fearon, Karen L., Lafayette, CA, UNITED STATES  
Dina, Dino, Oakland, CA, UNITED STATES  
PI US 2003049266 A1 20030313  
AI US 2001-33243 A1 20011227 (10)  
PRAI US 2000-258675P 20001227 (60)  
DT Utility  
FS APPLICATION  
LREP Karen R. Zachow, Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto,  
CA, 94304-1018  
CLMN Number of Claims: 48  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 3623  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 19 OF 27 USPATFULL on STN  
AN 2003:30903 USPATFULL  
TI Biodegradable immunomodulatory formulations and methods for use thereof  
IN Nest, Gary Van, Martinez, CA, UNITED STATES  
Tuck, Stephen, Oakland, CA, UNITED STATES  
Fearon, Karen L., Lafayette, CA, UNITED STATES  
Dina, Dino, Oakland, CA, UNITED STATES  
PI US 2003022852 A1 20030130  
AI US 2001-927422 A1 20010810 (9)  
RLI Continuation-in-part of Ser. No. US 2001-802359, filed on 9 Mar 2001,  
PENDING  
PRAI US 2000-188303P 20000310 (60)  
DT Utility  
FS APPLICATION  
LREP MORRISON & FOERSTER LLP, 755 PAGE MILL RD, PALO ALTO, CA, 94304-1018  
CLMN Number of Claims: 84  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 3417  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 20 OF 27 USPATFULL on STN  
AN 2002:258428 USPATFULL  
TI Method for treatment of inflammatory disease  
IN Irvin, Charles G., Colchester, VT, UNITED STATES  
PI US 2002141995 A1 20021003  
AI US 2001-945250 A1 20010831 (9)  
PRAI US 1997-63605P 19970610 (60)  
DT Utility  
FS APPLICATION  
LREP SHERIDAN ROSS PC, 1560 BROADWAY, SUITE 1200, DENVER, CO, 80202  
CLMN Number of Claims: 49  
ECL Exemplary Claim: 1  
DRWN 11 Drawing Page(s)  
LN.CNT 2169  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 122 21-27 ti

L22 ANSWER 21 OF 27 USPATFULL on STN  
TI Variants of phleum pratense allergenic proteins  
  
L22 ANSWER 22 OF 27 USPATFULL on STN  
TI Immunomodulatory formulations and methods for use thereof  
  
L22 ANSWER 23 OF 27 USPATFULL on STN  
TI Variants of allergenic proteins of the group 2 of dermatophagoides  
  
L22 ANSWER 24 OF 27 USPATFULL on STN  
TI Method for treatment of inflammatory disease  
  
L22 ANSWER 25 OF 27 USPATFULL on STN  
TI Methods for diagnosis of allergy  
  
L22 ANSWER 26 OF 27 USPATFULL on STN  
TI DNA encoding the recombinant 40 kDa Dermatophagoides farinae allergen  
  
L22 ANSWER 27 OF 27 USPATFULL on STN  
TI Recombinant 40 KDa Dermatophagoides farinae allergen

=> d 122 21-27 bib

L22 ANSWER 21 OF 27 USPATFULL on STN  
AN 2002:126020 USPATFULL  
TI Variants of phleum pratense allergenic proteins  
IN Sturaro, Monica, Roma, ITALY  
Viotti, Angelo, Roma, ITALY  
Falagiani, Paolo, Milano, ITALY  
Mistrello, Giovanni, Via Cadore, ITALY  
Roncarolo, Daniela, Via De Finetti, ITALY  
Zanotta, Stefania, Roma, ITALY  
PI US 2002064530 A1 20020530  
AI US 2001-949888 A1 20010912 (9)  
PRAI IT 2000-MI1987 20000912  
DT Utility  
FS APPLICATION  
LREP YOUNG & THOMPSON, 745 SOUTH 23RD STREET 2ND FLOOR, ARLINGTON, VA, 22202  
CLMN Number of Claims: 12  
ECL Exemplary Claim: 1  
DRWN 2 Drawing Page(s)  
LN.CNT 324  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 22 OF 27 USPATFULL on STN  
AN 2002:106268 USPATFULL  
TI Immunomodulatory formulations and methods for use thereof  
IN Nest, Gary Van, Martinez, CA, UNITED STATES  
Tuck, Stephen, Oakland, CA, UNITED STATES  
PI US 2002055477 A1 20020509  
AI US 2001-802376 A1 20010309 (9)  
PRAI US 2000-188557P 20000310 (60)  
DT Utility  
FS APPLICATION  
LREP Karen R. Zachow, Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto,  
CA, 94304-1018  
CLMN Number of Claims: 66  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2435  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 23 OF 27 USPATFULL on STN  
AN 2002:105679 USPATFULL  
TI Variants of allergenic proteins of the group 2 of dermatophagoides  
IN Sturaro, Monica, Roma, ITALY  
Viotti, Angelo, Roma, ITALY  
Falagiani, Paolo, Milano, ITALY  
Mistrello, Giovanni, Milano, ITALY  
Roncarolo, Daniela, Milano, ITALY  
Zanotta, Stefania, Roma, ITALY  
PI US 2002054881 A1 20020509  
AI US 2001-949889 A1 20010912 (9)  
PRAI IT 2000-MI1986 20000912  
DT Utility  
FS APPLICATION  
LREP YOUNG & THOMPSON, 745 SOUTH 23RD STREET 2ND FLOOR, ARLINGTON, VA, 22202  
CLMN Number of Claims: 12  
ECL Exemplary Claim: 1  
DRWN 2 Drawing Page(s)  
LN.CNT 339  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 24 OF 27 USPATFULL on STN  
AN 2001:93489 USPATFULL  
TI Method for treatment of inflammatory disease  
IN Irvin, Charles G., Englewood, CO, United States  
PA National Jewish Medical and Research Center, Denver, CO, United States  
(U.S. corporation)  
PI US 6248723 B1 20010619  
AI US 1998-95877 19980610 (9)  
PRAI US 1997-63605P 19970610 (60)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Yucel, Remy; Assistant Examiner: Shibuya, Mark L.  
LREP Sheridan Ross P.C.  
CLMN Number of Claims: 38  
ECL Exemplary Claim: 1  
DRWN 11 Drawing Figure(s); 11 Drawing Page(s)  
LN.CNT 2166  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 25 OF 27 USPATFULL on STN  
AN 1998:11885 USPATFULL  
TI Methods for diagnosis of allergy  
IN Wai Fei, David Tai, Belmont, CA, United States  
Lowe, John, Daly City, CA, United States  
Jardieu, Paula, San Francisco, CA, United States  
PA Genentech, Inc., South San Francisco, CA, United States (U.S.)

corporation)  
 PI US 5714338 19980203  
 WO 9516203 19950615  
 AI US 1995-393014 19950227 (8)  
 WO 1994-US14282 19941209  
 19950227 PCT 371 date  
 19950227 PCT 102(e) date  
 RLI Continuation-in-part of Ser. No. US 1993-165436, filed on 10 Dec 1993,  
 now abandoned  
 DT Utility  
 FS Granted  
 EXNAM Primary Examiner: Chan, Christina Y.; Assistant Examiner: VanderVegt, F.  
 Pierre  
 LREP Love, Richard B.  
 CLMN Number of Claims: 15  
 ECL Exemplary Claim: 1  
 DRWN 20 Drawing Figure(s); 11 Drawing Page(s)  
 LN.CNT 2478  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 26 OF 27 USPATFULL on STN  
 AN 95:31782 USPATFULL  
 TI DNA encoding the recombinant 40 kDa Dermatophagoides farinae allergen  
 IN Oka, Satoru, Hiroshima, Japan  
 Ono, Kazuhisa, Hiroshima, Japan  
 Shigeta, Seiko, Hiroshima, Japan  
 Wada, Takeshi, Hiroshima, Japan  
 PA Fumakilla Limited, Tokyo, Japan (non-U.S. corporation)  
 Hiroshima University, Hiroshima, Japan (non-U.S. corporation)  
 PI US 5405758 19950411  
 AI US 1993-166818 19931215 (8)  
 RLI Division of Ser. No. US 1991-748783, filed on 22 Aug 1991, now patented,  
 Pat. No. US 5314991  
 PRAI JP 1990-225886 19900827  
 JP 1990-327382 19901127  
 JP 1991-104949 19910309  
 DT Utility  
 FS Granted  
 EXNAM Primary Examiner: Nucker, Christine M.; Assistant Examiner: Tuscan,  
 Michael S.  
 LREP Birch, Stewart, Kolasch & Birch  
 CLMN Number of Claims: 10  
 ECL Exemplary Claim: 1  
 DRWN 11 Drawing Figure(s); 11 Drawing Page(s)  
 LN.CNT 1567  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 27 OF 27 USPATFULL on STN  
 AN 94:44732 USPATFULL  
 TI Recombinant 40 KDa Dermatophagoides farinae allergen  
 IN Oka, Satoru, Hiroshima, Japan  
 Ono, Kazuhisa, Hiroshima, Japan  
 Shigeta, Seiko, Hiroshima, Japan  
 Wada, Takeshi, Hiroshima, Japan  
 PA Fumakilla Limited, Tokyo, Japan (non-U.S. corporation)  
 Hiroshima University, Hiroshima, Japan (non-U.S. corporation)  
 PI US 5314991 19940524  
 AI US 1991-748783 19910822 (7)  
 PRAI JP 1990-225886 19900827  
 JP 1990-327382 19901127  
 JP 1991-104949 19910309  
 DT Utility  
 FS Granted  
 EXNAM Primary Examiner: Nucker, Christine M.; Assistant Examiner: Tuscan, M.  
 LREP Birch, Stewart, Kolasch & Birch

CLMN Number of Claims: 16  
ECL Exemplary Claim: 2  
DRWN 11 Drawing Figure(s); 11 Drawing Page(s)  
LN.CNT 986  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
10:08:43 ON 23 JUL 2004

L1 56 S (KJAERULFF, S? OR KJAERULFF S?)/AU  
L2 81 S (ROGGEN, E? OR ROGGEN E?)/AU  
L3 1 S L1 AND L2  
L4 136 S L1 OR L2  
L5 135 S L4 NOT L3  
L6 13 S L5 AND (EPITOPE OR ALLERGEN)  
L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)  
L8 52079 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECO  
L9 273 S L8 AND ALLERGEN  
L10 24 S PLANT(S)TRANSGENIC(S)ALLERGEN  
L11 24 S L10 NOT L4  
L12 19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 10:17:12 ON 23 JUL 2004

L13 7 S (KJAERULFF, S? OR KJAERULFF S?)/AU  
L14 13 S (ROGGEN, E? OR ROGGEN E?)/AU  
L15 1 S L13 AND L14  
L16 19 S L13 OR L14  
L17 18 S L16 NOT L15  
L18 13 S PLANT(S)TRANSGENIC(S)ALLERGEN  
L19 13 S L18 NOT L17  
L20 7 S ALLERGEN(S)RECOMBINANT(S)IMMUNOGENICITY  
L21 27 S RECOMBINANT(S)ALLERGEN(S)VARIANT  
L22 27 S L21 NOT L20

=> file medline, agricola, caba, caplus, biosis, biotechno		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	66.07	132.92

FILE 'MEDLINE' ENTERED AT 10:29:42 ON 23 JUL 2004

FILE 'AGRICOLA' ENTERED AT 10:29:42 ON 23 JUL 2004

FILE 'CABA' ENTERED AT 10:29:42 ON 23 JUL 2004  
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FILE 'CAPLUS' ENTERED AT 10:29:42 ON 23 JUL 2004  
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FILE 'BIOSIS' ENTERED AT 10:29:42 ON 23 JUL 2004  
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'BIOTECHNO' ENTERED AT 10:29:42 ON 23 JUL 2004  
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=> S ALLERGEN(S)RECOMBINANT(S)IMMUNOGENICITY  
L23 31 ALLERGEN(S) RECOMBINANT(S) IMMUNOGENICITY

=> S RECOMBINANT(S)ALLERGEN(S)VARIANT

L24 32 RECOMBINANT(S) ALLERGEN(S) VARIANT

=> s l23 or l24

L25 63 L23 OR L24

=> duplicate remove l25

DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L25

L26 36 DUPLICATE REMOVE L25 (27 DUPLICATES REMOVED)

=> d l26 1-10 ti

L26 ANSWER 1 OF 36 MEDLINE on STN DUPLICATE 1  
TI The blocking activity of birch pollen-specific immunotherapy-induced IgG4 is not qualitatively superior to that of other IgG subclasses.

L26 ANSWER 2 OF 36 MEDLINE on STN DUPLICATE 2  
TI The **recombinant** major **allergen** of *Parietaria judaica* and its hypoallergenic **variant**: in vivo evaluation in a murine model of allergic sensitization.

L26 ANSWER 3 OF 36 CABA COPYRIGHT 2004 CABI on STN  
TI Expression of the B subunit of the heat-labile enterotoxin of *Escherichia coli* in tobacco mosaic virus-infected *Nicotiana benthamiana* plants and its characterization as mucosal immunogen and adjuvant.

L26 ANSWER 4 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Novel allergen from timothy grass

L26 ANSWER 5 OF 36 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
TI Immunological comparison of native and recombinant egg allergen, ovalbumin, expressed in *Escherichia coli*.

L26 ANSWER 6 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
TI Optimization of codon usage is required for effective genetic immunization against Art v 1, the major allergen of mugwort pollen

L26 ANSWER 7 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 3  
TI Cloning and expression of biologically active *Plantago lanceolata* pollen allergen Pla 1 in the yeast *Pichia pastoris*.

L26 ANSWER 8 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
TI Allergic potency of recombinant Fel d 1 is reduced by low concentrations of chlorine bleach

L26 ANSWER 9 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 4  
TI Absence of immunoglobulin E synthesis and airway eosinophilia by vaccination with plasmid DNA encoding ProDer p 1.

L26 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN  
TI **Recombinant** hybrid vespid venom **allergen** constructs with reduced allergenicity that retain **immunogenicity** of the natural **allergen**

=> d l26 2,3,5,7,10 bib

L26 ANSWER 2 OF 36 MEDLINE on STN DUPLICATE 2  
AN 2004116555 MEDLINE  
DN PubMed ID: 15005743  
TI The **recombinant** major **allergen** of *Parietaria judaica* and its hypoallergenic **variant**: in vivo evaluation in a murine model of allergic sensitization.  
AU Orlandi A; Grasso F; Corinti S; Marinaro M; Bonura A; Boirivant M; Colombo



P; Di Felice G  
 CS Laboratory of Immunology, Istituto Superiore di Sanita, Rome, Italy.  
 SO Clinical and experimental allergy : journal of the British Society for  
 Allergy and Clinical Immunology, (2004 Mar) 34 (3) 470-7.  
 Journal code: 8906443. ISSN: 0954-7894.  
 CY England: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200405  
 ED Entered STN: 20040310  
 Last Updated on STN: 20040528  
 Entered Medline: 20040527

L26 ANSWER 3 OF 36 CABA COPYRIGHT 2004 CABI on STN  
 AN 2004:104825 CABA  
 DN 20043079891  
 TI Expression of the B subunit of the heat-labile enterotoxin of Escherichia  
 coli in tobacco mosaic virus-infected Nicotiana benthamiana plants and its  
 characterization as mucosal immunogen and adjuvant  
 AU Wagner, B.; Hufnagl, K.; Radauer, C.; Wagner, S.; Baier, K.; Scheiner, O.;  
 Wiedermann, U.; Breiteneder, H.  
 CS Department of Pathophysiology, Medical University of Vienna, General  
 Hospital Vienna EBO 3.Q, Waehringer Guertel 18-20, A-1090, Vienna,  
 Austria. heimo.breiteneder@meduniwien.ac.at  
 SO Journal of Immunological Methods, (2004) Vol. 287, No. 1/2, pp. 203-215.  
 49 ref.  
 Publisher: Elsevier Science B.V. Amsterdam  
 ISSN: 0022-1759  
 DOI: 10.1016/j.jim.2004.02.001  
 CY Netherlands Antilles  
 DT Journal  
 LA English  
 ED Entered STN: 20040702  
 Last Updated on STN: 20040702

L26 ANSWER 5 OF 36 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 2004:76842 BIOSIS  
 DN PREV200400078157  
 TI Immunological comparison of native and recombinant egg allergen,  
 ovalbumin, expressed in Escherichia coli.  
 AU Rupa, Prithy; Mine, Yoshinori [Reprint Author]  
 CS Department of Food Science, University of Guelph, Guelph, ON, N1G 2W1,  
 Canada  
 ymine@uoguelph.ca  
 SO Biotechnology Letters, (November 2003) Vol. 25, No. 22, pp. 1917-1924.  
 print.  
 CODEN: BILED3. ISSN: 0141-5492.  
 DT Article  
 LA English  
 ED Entered STN: 4 Feb 2004  
 Last Updated on STN: 4 Feb 2004

L26 ANSWER 7 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 3  
 AN 2004:64492 CABA  
 DN 20043039713  
 TI Cloning and expression of biologically active Plantago lanceolata pollen  
 allergen Pla 1 in the yeast Pichia pastoris  
 AU Calabozo, B.; Diaz-Perales, A.; Salcedo, G.; Barber, D.; Polo, F.  
 CS Departamento I + D, ALK-Abello, S.A., c/Miguel Fleta 19, 28037 Madrid,  
 Spain. florentino.polo@es.alk-abello.com  
 SO Biochemical Journal, (2003) Vol. 372, No. 3, pp. 889-896. 15 ref.  
 Publisher: Portland Press. Colchester  
 ISSN: 0264-6021  
 CY United Kingdom

DT Journal  
LA English  
ED Entered STN: 20040402  
Last Updated on STN: 20040402

L26 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:696098 CAPLUS  
DN 137:231352  
TI **Recombinant** hybrid vespid venom **allergen** constructs  
with reduced allergenicity that retain **immunogenicity** of the  
natural **allergen**  
IN King, Te Piao; Spangfort, Michael Dho  
PA The Rockefeller University, USA; Alk Abello A/S  
SO PCT Int. Appl., 222 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002070665	A2	20020912	WO 2002-US6765	20020304
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003039660	A1	20030227	US 2002-91135	20020304
PRAI	US 2001-272818P	P	20010302		

=> d 126 11-20 ti

L26 ANSWER 11 OF 36 CABA COPYRIGHT 2004 CABI on STN  
TI Genetic variation of Der p 2 allergens: effects on T cell responses and immunoglobulin E binding.

L26 ANSWER 12 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
TI Comparison of four variants of a major allergen in hazelnut (Corylus avellana) Cor a 1.04 with the major hazel pollen allergen Cor a 1.01

L26 ANSWER 13 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
TI Natural and recombinant allergens from celery (Apium graveolens) and hazelnut (Corylus avellana) characterised with sera from patients with confirmed food allergy

L26 ANSWER 14 OF 36 MEDLINE on STN DUPLICATE 5  
TI Modification of peanut allergen Ara h 3: effects on IgE binding and T cell stimulation.

L26 ANSWER 15 OF 36 MEDLINE on STN DUPLICATE 6  
TI **Recombinant** allergens with reduced allergenicity but retaining **immunogenicity** of the natural allergens: hybrids of yellow jacket and paper wasp venom **allergen** antigen 5s.

L26 ANSWER 16 OF 36 MEDLINE on STN DUPLICATE 7  
TI T cell responses to **recombinant** isoforms, synthetic peptides and a mutant **variant** of Lep d 2, a major **allergen** from the dust mite Lepidoglyphus destructor.

L26 ANSWER 17 OF 36 CABA COPYRIGHT 2004 CABI on STN

TI Comparison of four variants of a major allergen in hazelnut (*Corylus avellana*) Cor a 1.04 with the major hazel pollen allergen Cor a 1.01.

L26 ANSWER 18 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
 TI Analysis of recombinant mycobacteria as T helper type 1 vaccines in an allergy challenge model

L26 ANSWER 19 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 8  
 TI Rapid production of recombinant allergens in *Nicotiana benthamiana* and their impact on diagnosis and therapy.

L26 ANSWER 20 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 9  
 TI C8/119S mutation of major mite allergen Derf-2 leads to degenerate secondary structure and molecular polymerization and induces potent and exclusive Th1 cell differentiation.

=> d 126 11,12,13,14,15,16,17,19,20 bib

L26 ANSWER 11 OF 36 CABA COPYRIGHT 2004 CABI on STN  
 AN 2002:205425 CABA  
 DN 20023155416  
 TI Genetic variation of Der p 2 allergens: effects on T cell responses and immunoglobulin E binding  
 AU Hales, B. J.; Hazell, L. A.; Smith, W.; Thomas, W. R.  
 CS Centre for Child Health Research, University of Western Australia, TVW Telethon Institute for Child Health Research, West Perth 6872, Western Australia, Australia. wayne@ichr.uwa.edu.au  
 SO Clinical and Experimental Allergy, (2002) Vol. 32, No. 10, pp. 1461-1467. 34 ref.  
 Publisher: Blackwell Science. Oxford  
 ISSN: 0954-7894  
 DOI: 10.1046/j.1365-2745.2002.01500.x  
 CY United Kingdom  
 DT Journal  
 LA English  
 ED Entered STN: 20021206  
 Last Updated on STN: 20021206

L26 ANSWER 12 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
 AN 2002:34031840 BIOTECHNO  
 TI Comparison of four variants of a major allergen in hazelnut (*Corylus avellana*) Cor a 1.04 with the major hazel pollen allergen Cor a 1.01  
 AU Luttkopf D.; Muller U.; Skov P.S.; Ballmer-Weber B.K.; Wuthrich B.; Skamstrup Hansen K.; Poulsen L.K.; Kastner M.; Hausteiner D.; Vieths S.  
 CS S. Vieths, Department of Allergology, Paul-Ehrlich-Institut, Paul-Ehrlich-Strasse 51-59, D-63225 Langen, Germany.  
 E-mail: viest@pei.de  
 SO Molecular Immunology, (2002), 38/7 (515-525), 43 reference(s)  
 CODEN: IMCHAZ ISSN: 0161-5890  
 PUI S0161589001000876  
 DT Journal; Article  
 CY United Kingdom  
 LA English  
 SL English

L26 ANSWER 13 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
 AN 2002:36033279 BIOTECHNO  
 TI Natural and recombinant allergens from celery (*Apium graveolens*) and hazelnut (*Corylus avellana*) characterised with sera from patients with confirmed food allergy  
 AU Luttkopf D.  
 CS Dr. D. Luttkopf, Paul-Ehrlich-Institut Allergologie, Paul-Ehrlich-Strasse 51-59, 63225 Langen, Germany.  
 E-mail: luedi@pei.de

SO Allergo Journal, (2002), 11/8 (513-517), 8 reference(s)  
 CODEN: ALJOEY ISSN: 0941-8849  
 DT Journal; Article  
 CY Germany, Federal Republic of  
 LA English  
 SL English; German

L26 ANSWER 14 OF 36 MEDLINE on STN DUPLICATE 5  
 AN 2002296618 MEDLINE  
 DN PubMed ID: 12037397  
 TI Modification of peanut allergen Ara h 3: effects on IgE binding and T cell stimulation.  
 AU Rabjohn Pat; West C Michael; Connaughton Cathie; Sampson Hugh A; Helm Ricki M; Burks A Wesley; Bannon Gary A  
 CS Department of Biochemistry and Molecular Biology, Arkansas Children's Hospital Research Institute, University of Arkansas for Medical Sciences, Little Rock, AR 72202, USA.  
 NC R01-AI33596 (NIAID)  
 SO International archives of allergy and immunology, (2002 May) 128 (1) 15-23.  
 Journal code: 9211652. ISSN: 1018-2438.  
 CY Switzerland  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200207  
 ED Entered STN: 20020531  
 Last Updated on STN: 20020707  
 Entered Medline: 20020705

L26 ANSWER 15 OF 36 MEDLINE on STN DUPLICATE 6  
 AN 2001448606 MEDLINE  
 DN PubMed ID: 11342623  
 TI **Recombinant** allergens with reduced allergenicity but retaining **immunogenicity** of the natural allergens: hybrids of yellow jacket and paper wasp venom **allergen** antigen 5s.  
 AU King T P; Jim S Y; Monsalve R I; Kagey-Sobotka A; Lichtenstein L M; Spangfort M D  
 CS Rockefeller University, New York, NY 10021, USA..  
 kingtp@mail.rockefeller.edu  
 NC AI-08270 (NIAID)  
 AI-17021 (NIAID)  
 SO Journal of immunology (Baltimore, Md. : 1950), (2001 May 15) 166 (10) 6057-65.  
 Journal code: 2985117R. ISSN: 0022-1767.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Abridged Index Medicus Journals; Priority Journals  
 EM 200108  
 ED Entered STN: 20010813  
 Last Updated on STN: 20010813  
 Entered Medline: 20010809

L26 ANSWER 16 OF 36 MEDLINE on STN DUPLICATE 7  
 AN 2001691329 MEDLINE  
 DN PubMed ID: 11737040  
 TI T cell responses to **recombinant** isoforms, synthetic peptides and a mutant **variant** of Lep d 2, a major **allergen** from the dust mite *Lepidoglyphus destructor*.  
 AU Eriksson T L; Gafvelin G; Elfman L H; Johansson C; Van Hage-Hamsten M; Olsson S  
 CS Department of Medicine, Unit of Clinical Immunology & Allergy, Karolinska Hospital and Institutet, Stockholm, Sweden.. tove.eriksson@ks.se  
 SO Clinical and experimental allergy : journal of the British Society for

Allergy and Clinical Immunology, (2001 Dec) 31 (12) 1881-90.  
Journal code: 8906443. ISSN: 0954-7894.

CY England: United Kingdom  
DT (EVALUATION STUDIES)  
Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200203  
ED Entered STN: 20011213  
Last Updated on STN: 20020307  
Entered Medline: 20020306

L26 ANSWER 17 OF 36 CABA COPYRIGHT 2004 CABI on STN

AN 2002:49659 CABA

DN 20023004394

TI Comparison of four variants of a major allergen in hazelnut (*Corylus avellana*) Cor a 1.04 with the major hazel pollen allergen Cor a 1.01  
AU Luttkopf, D.; Muller, U.; Skov, P. S.; Ballmer-Weber, B. K.; Wuthrich, B.; Hansen, K. S.; Poulsen, L. K.; Kastner, M.; Haustein, D.; Vieths, S.  
CS Department of Allergology, Paul-Ehrlich-Institut, Paul-Ehrlich-Strasse 51-59, D-63225 Langen, Germany. viest@pei.de  
SO Molecular Immunology, (2001) Vol. 38, No. 7, pp. 515-525. 43 ref.  
Publisher: Pergamon Press. Oxford  
ISSN: 0161-5890

CY United Kingdom  
DT Journal  
LA English  
ED Entered STN: 20020308  
Last Updated on STN: 20020308

L26 ANSWER 19 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 8

AN 2001:67653 CABA

DN 20013053575

TI Rapid production of recombinant allergens in *Nicotiana benthamiana* and their impact on diagnosis and therapy  
AU Breiteneder, H.; Krebitz, M.; Wiedermann, U.; Wagner, B.; Essl, D.; Steinkellner, H.; Turpen, T. H.; Ebner, C.; Buck, D.; Niggemann, B.; Scheiner, O.; Ishikawa, T. [EDITOR]; Miyamoto, T. [EDITOR]; Okudaira, H. [EDITOR]; Tomioka, H. [EDITOR]; Valenta, R. [EDITOR]; Kraft, D. [EDITOR]  
CS Department of Pathophysiology, University of Vienna, AKH-EBO-3Q, Wahringer Gurtel 18-20, A-1090 Vienna, Austria.  
SO International Archives of Allergy and Immunology, (2001) Vol. 124, No. 1/3, pp. 48-50. 5 ref.  
Publisher: S Karger AG. Basel  
Price: Journal article; Conference paper .  
Meeting Info.: Allergy in the 21st century: new answers to old questions. 23rd symposium of the Collegium Internationale Allergologicum. May 18-23, 2000, Hakone, Japan.  
ISSN: 1018-2438

CY Switzerland  
DT Journal  
LA English  
ED Entered STN: 20010706  
Last Updated on STN: 20010706

L26 ANSWER 20 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 9

AN 2001:7222 CABA

DN 20003000786

TI C8/119S mutation of major mite allergen Derf-2 leads to degenerate secondary structure and molecular polymerization and induces potent and exclusive Th1 cell differentiation  
AU Korematsu, S.; Tanaka, Y.; Hosoi, S.; Koyanagi, S.; Yokota, T.; Mikami, B.; Minato, N.  
CS Department of Immunology and Cell Biology, Faculty of Medicine, Kyoto University, Sakyo, Kyoto 606-8501, Japan.

SO Journal of Immunology, (2000) Vol. 165, No. 5, pp. 2895-2902. 35 ref.  
Publisher: American Association of Immunologists. Bethesda  
ISSN: 0022-1767  
CY United States  
DT Journal  
LA English  
ED Entered STN: 20010201  
Last Updated on STN: 20010201

=> d l26 21-30 ti

- L26 ANSWER 21 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 10  
TI Rapid production of the major birch pollen allergen Bet v 1 in Nicotiana benthamiana plants and its immunological in vitro and in vivo characterization.
- L26 ANSWER 22 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 11  
TI Purification and immunobiochemical characterization of folding variants of the recombinant major wasp allergen Ves v 5 (antigen 5).
- L26 ANSWER 23 OF 36 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
TI Proliferative T cell responses to the **recombinant** house dust mite **allergen** rDer p 2 (D1S), the **variant** C21/73S, and natural nDer p 2.
- L26 ANSWER 24 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
TI Reduced in vivo allergenicity of Bet v 1d isoform, a natural component of birch pollen
- L26 ANSWER 25 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 12  
TI High-molecular-weight allergens of the house dust mite: an apolipophorin-like cDNA has sequence identity with the major M-177 allergen and the IgE-binding peptide fragments Mag 1 and Mag 3.
- L26 ANSWER 26 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
TI Immunization with purified natural and recombinant allergens induces mouse IgG1 antibodies that recognize similar epitopes as human IgE and inhibit the human IgE-allergen interaction and allergen-induced basophil degranulation
- L26 ANSWER 27 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
TI Molecular and crystal properties of Bos d 2, an allergenic protein of the Lipocalin family
- L26 ANSWER 28 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 13  
TI Recombinant allergens for immunotherapy: a Der p 2 variant with reduced IgE reactivity retains T-cell epitopes.
- L26 ANSWER 29 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Production of recombinant Der fI with the native IgE-binding activity using a baculovirus expression system
- L26 ANSWER 30 OF 36 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 14  
TI Immunochemical studies of stinging insect venom allergens.

=> d l26 21-24, 28, 29, 30 bib

L26 ANSWER 21 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 10  
AN 2000:138502 CABA  
DN 20001615768

TI Rapid production of the major birch pollen allergen Bet v 1 in *Nicotiana benthamiana* plants and its immunological in vitro and in vivo characterization  
 AU Krebitz, M.; Wiedermann, U.; Essl, D.; Steinkellner, H.; Wagner, B.; Turpen, T. H.; Ebner, C.; Scheiner, O.; Breiteneder, H.  
 CS Department of Pathophysiology, University of Vienna, Vienna 1090, Austria.  
 SO FASEB Journal, (2000) Vol. 14, No. 10, pp. 1279-1288. 41 ref.  
 ISSN: 0892-6638  
 DT Journal  
 LA English  
 ED Entered STN: 20001107  
 Last Updated on STN: 20001107

L26 ANSWER 22 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 11  
 AN 2000:103006 CABA  
 DN 20000507235  
 TI Purification and immunobiochemical characterization of folding variants of the recombinant major wasp allergen Ves v 5 (antigen 5)  
 AU Suck, R.; Weber, B.; Kahlert, H.; Hagen, S.; Cromwell, O.; Fiebig, H.  
 CS Allergopharma Joachim Ganzer KG, Hermann-Korner-Strasse 52, D-21465 Reinbek, Germany.  
 SO International Archives of Allergy and Immunology, (2000) Vol. 121, No. 4, pp. 284-291. 27 ref.  
 ISSN: 1018-2438  
 DT Journal  
 LA English  
 ED Entered STN: 20000913  
 Last Updated on STN: 20000913

L26 ANSWER 23 OF 36 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 2000:140214 BIOSIS  
 DN PREV200000140214  
 TI Proliferative T cell responses to the **recombinant** house dust mite **allergen** rDer p 2 (D1S), the **variant** C21/73S, and natural nDer p 2.  
 AU Gore, R. B. [Reprint author]; Smith, A.; Smillie, F.; Custovic, A.; Chapman, M. D.; Woodcock, A.  
 CS North West Lung Centre, Wythenshawe Hospital, Manchester, UK  
 SO Journal of Allergy and Clinical Immunology, (Jan., 2000) Vol. 105, No. 1 part 2, pp. S78. print.  
 Meeting Info.: 56th Annual Meeting of the American Academy of Allergy, Asthma and Immunology. San Diego, California, USA. March 03-08, 2000.  
 American Academy of Allergy, Asthma and Immunology.  
 CODEN: JACIBY. ISSN: 0091-6749.  
 DT Conference; (Meeting)  
 Conference; Abstract; (Meeting Abstract)  
 LA English  
 ED Entered STN: 19 Apr 2000  
 Last Updated on STN: 4 Jan 2002

L26 ANSWER 24 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
 AN 1999:30004986 BIOTECHNO  
 TI Reduced in vivo allergenicity of Bet v 1d isoform, a natural component of birch pollen  
 AU Arquint O.; Helbling A.; Cramer R.; Ferreira F.; Breitenbach M.; Pichler W.J.  
 CS Dr. W.J. Pichler, Inst. of Immunology and Allergology, University Hospital, 3010 Bern, Switzerland.  
 SO Journal of Allergy and Clinical Immunology, (1999), 104/6 (1239-1243), 17 reference(s)  
 CODEN: JACIBY ISSN: 0091-6749  
 DT Journal; Article  
 CY United States  
 LA English  
 SL English

L26 ANSWER 28 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 13  
 AN 1998:147430 CABA  
 DN 19980504995  
 TI Recombinant allergens for immunotherapy: a Der p 2 variant with reduced  
 IgE reactivity retains T-cell epitopes  
 AU Smith, A. M.; Chapman, M. D.; Taketomi, E. A.; Platts-Mills, T. A. E.;  
 Sung, S. S. J.  
 CS Asthma and Allergic Diseases Center, Department of Medicine, University of  
 Virginia, Charlottesville, VA, USA.  
 SO Journal of Allergy and Clinical Immunology, (1998) Vol. 101, No. 3, pp.  
 423-425. 5 ref.  
 ISSN: 0091-6749  
 DT Journal  
 LA English  
 ED Entered STN: 19981014  
 Last Updated on STN: 19981014

L26 ANSWER 29 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1997:707981 CAPLUS  
 DN 128:2855  
 TI Production of recombinant Der fI with the native IgE-binding activity  
 using a baculovirus expression system  
 AU Shoji, Hiroshi; Shibuya, Ichiro; Hirai, Mitsuo; Horiuchi, Hiroyuki;  
 Takagi, Masamichi  
 CS Institute for Production Research and Development, The Nikka Whisky  
 Distilling Co., Ltd., Kashiwa, 277, Japan  
 SO Bioscience, Biotechnology, and Biochemistry (1997), 61(10), 1668-1673  
 CODEN: BBBIEJ; ISSN: 0916-8451  
 PB Japan Society for Bioscience, Biotechnology, and Agrochemistry  
 DT Journal  
 LA English  
 RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 30 OF 36 AGRICOLA Compiled and distributed by the National  
 Agricultural Library of the Department of Agriculture of the United States  
 of America. It contains copyrighted materials. All rights reserved.  
 (2004) on STN DUPLICATE 14  
 AN 1998:18751 AGRICOLA  
 DN IND20620135  
 TI Immunochemical studies of stinging insect venom allergens.  
 AU King, T.P.  
 CS Rockefeller University, New York, NY.  
 SO Toxicon, Nov/Dec 1996. Vol. 34, No. 11/12. p. 1455-1458  
 Publisher: Oxford : Elsevier Science Ltd.  
 CODEN: TOXIA6; ISSN: 0041-0101  
 NTE Paper presented at Fifth Pan American Symposium on Animal, Plant, and  
 Microbial Toxins held July 30 - August 4, 1995, Frederick, Maryland.  
 Includes references  
 CY England; United Kingdom  
 DT Article  
 FS Non-U.S. Imprint other than FAO  
 LA English

=> d 126 31-36 ti

L26 ANSWER 31 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
 TI Mucosal and systemic immune responses to a recombinant protein expressed  
 on the surface of the oral commensal bacterium Streptococcus gordonii  
 after oral colonization  
 L26 ANSWER 32 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 15  
 TI Natural and recombinant enzymatically active or inactive bee venom



phospholipase A2 has the same potency to release histamine from basophils in patients with Hymenoptera allergy.

- L26 ANSWER 33 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 16  
TI Murine T and B cell responses to natural and recombinant hornet venom allergen Dol m 5.02 and its recombinant fragments.
- L26 ANSWER 34 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN  
TI B-cell epitopes of allergens determined by recombinant techniques; use for diagnosis and therapy of type I allergy
- L26 ANSWER 35 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 17  
TI Effects of amino acid variations in recombinant Der fII on its human IgE and mouse IgG recognition.
- L26 ANSWER 36 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Cloning, expression, and immunological characterization of recombinant Lolium perenne allergen Lol p II

=> d l26 33,34,35,36 bib

- L26 ANSWER 33 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 16  
AN 96:70135 CABA  
DN 19960502365  
TI Murine T and B cell responses to natural and recombinant hornet venom allergen Dol m 5.02 and its recombinant fragments  
AU King, T. P.; Kochoomian, L.; Lu Gang; Lu, G.  
CS Rockefeller University, 1230 York Avenue, New York, NY 10021, UK.  
SO Journal of Immunology (Baltimore), (1995) Vol. 154, No. 2, pp. 577-584. 40 ref.  
ISSN: 0022-1767  
DT Journal  
LA English  
ED Entered STN: 19960613  
Last Updated on STN: 19960613
- L26 ANSWER 34 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1995:557916 CAPLUS  
DN 123:7340  
TI B-cell epitopes of allergens determined by recombinant techniques; use for diagnosis and therapy of type I allergy  
AU Valenta, R.; Vrtala, S.; Laffer, S.; Steinberger, P.; Ball, T.; Ferreira, F.; Scheiner, O.; Kraft, D.  
CS Univ. Wien, Vienna, Austria  
SO Arbeiten aus dem Paul-Ehrlich-Institut (Bundesamt fuer Sera und Impfstoffe) Langen (1994), 87, 235-46  
CODEN: APGFKE; ISSN: 0936-8671  
DT Journal; General Review  
LA English
- L26 ANSWER 35 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 17  
AN 95:208661 CABA  
DN 19950507665  
TI Effects of amino acid variations in recombinant Der fII on its human IgE and mouse IgG recognition  
AU Nishiyama, C.; Yuuki, T.; Usui, Y.; Iwamoto, N.; Okumura, Y.; Okudaira, H.  
CS Central Research Laboratories, Asahi Breweries Ltd., 2-13-1, Ohmori-kita, Ohta-ku Tokyo 143, Japan.  
SO International Archives of Allergy and Immunology, (1994) Vol. 105, No. 1, pp. 62-69. 19 ref.  
ISSN: 1018-2438  
DT Journal  
LA English  
ED Entered STN: 19951219

Last Updated on STN: 19951219

L26 ANSWER 36 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1994:29262 CAPLUS  
DN 120:29262  
TI Cloning, expression, and immunological characterization of recombinant  
Lolium perenne allergen Lol p II  
AU Sidoli, Alessandro; Tamborini, Elena; Giuntini, Ilaria; Levi, Sonia;  
Volonte, Giovanna; Paini, Cinzia; De Lalla, Claudia; Siccardi, Antonio G.;  
Baralle, Francisco E.; et al.  
CS Dip. Ric. Biol. Tecnol., Ist. Sci. H San Raffaele, Milan, 20132, Italy  
SO Journal of Biological Chemistry (1993), 268(29), 21819-25  
CODEN: JBCHA3; ISSN: 0021-9258  
DT Journal  
LA English

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
10:08:43 ON 23 JUL 2004

L1 56 S (KJAERULFF, S? OR KJAERULFF S?)/AU  
L2 81 S (ROGGEN, E? OR ROGGEN E?)/AU  
L3 1 S L1 AND L2  
L4 136 S L1 OR L2  
L5 135 S L4 NOT L3  
L6 13 S L5 AND (EPITOPE OR ALLERGEN)  
L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)  
L8 52079 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECO  
L9 273 S L8 AND ALLERGEN  
L10 24 S PLANT(S)TRANSGENIC(S)ALLERGEN  
L11 24 S L10 NOT L4  
L12 19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 10:17:12 ON 23 JUL 2004

L13 7 S (KJAERULFF, S? OR KJAERULFF S?)/AU  
L14 13 S (ROGGEN, E? OR ROGGEN E?)/AU  
L15 1 S L13 AND L14  
L16 19 S L13 OR L14  
L17 18 S L16 NOT L15  
L18 13 S PLANT(S)TRANSGENIC(S)ALLERGEN  
L19 13 S L18 NOT L17  
L20 7 S ALLERGEN(S)RECOMBINANT(S)IMMUNOGENICITY  
L21 27 S RECOMBINANT(S)ALLERGEN(S)VARIANT  
L22 27 S L21 NOT L20

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
10:29:42 ON 23 JUL 2004

L23 31 S ALLERGEN(S)RECOMBINANT(S)IMMUNOGENICITY  
L24 32 S RECOMBINANT(S)ALLERGEN(S)VARIANT  
L25 63 S L23 OR L24  
L26 36 DUPLICATE REMOVE L25 (27 DUPLICATES REMOVED)

=> random(w)peptide(w)display and variant  
RANDOM(W)PEPTIDE(W)DISPLAY IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s random(w)peptide(w)display and variant  
L27 2 RANDOM(W) PEPTIDE(W) DISPLAY AND VARIANT

=> d l27 1-2 ti

L27 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Engineering of enzymes for reduced allergenicity

L27 ANSWER 2 OF 2 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 TI Low allergenic protein variants.

=> d l27 1-2 bib

L27 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2000:314711 CAPLUS  
 DN 132:333397  
 TI Engineering of enzymes for reduced allergenicity  
 IN Roggen, Erwin Ludo; Olsen, Arne Agerlin; Ernst, Steffen  
 PA Novo Nordisk A/S, Den.  
 SO PCT Int. Appl., 91 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000026230	A1	20000511	WO 1999-DK541	19991012
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9960787	A1	20000522	AU 1999-60787	19991012
	EP 1124843	A1	20010822	EP 1999-947260	19991012
	EP 1124843	B1	20040407		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2003500003	T2	20030107	JP 2000-579618	19991012
	EP 1277762	A2	20030122	EP 2002-20745	19991012
	EP 1277762	A3	20030409		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
	NZ 511291	A	20030829	NZ 1999-511291	19991012
	AT 263778	E	20040415	AT 1999-947260	19991012
	US 6686164	B1	20040203	US 1999-417608	19991013
PRAI	DK 1998-1402	A	19981030		
	DK 1998-1645	A	19981125		
	DK 1999-1417	A	19991004		
	US 1998-107165P	P	19981105		
	US 1998-111386P	P	19981208		
	US 1999-157429P	P	19991004		
	EP 1999-947260	A3	19991012		
	WO 1999-DK541	W	19991012		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 2 OF 2 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 2004:141149 BIOSIS  
 DN PREV200400141815  
 TI Low allergenic protein variants.  
 AU Olsen, Arne Agerlin [Inventor, Reprint Author]; Roggen, Erwin Lugo [Inventor]; Ernst, Steffen [Inventor]  
 CS Kaplevej, Denmark  
 ASSIGNEE: Novozymes A/S, Bagsvaerd, Denmark

PI US 6686164 February 03, 2004  
SO Official Gazette of the United States Patent and Trademark Office Patents,  
(Feb 3 2004) Vol. 1279, No. 1. <http://www.uspto.gov/web/menu/patdata.html>.  
e-file.  
ISSN: 0098-1133 (ISSN print).  
DT Patent  
LA English  
ED Entered STN: 10 Mar 2004  
Last Updated on STN: 10 Mar 2004

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
10:08:43 ON 23 JUL 2004

L1 56 S (KJAERULFF, S? OR KJAERULFF S?)/AU  
L2 81 S (ROGGEN, E? OR ROGGEN E?)/AU  
L3 1 S L1 AND L2  
L4 136 S L1 OR L2  
L5 135 S L4 NOT L3  
L6 13 S L5 AND (EPITOPE OR ALLERGEN)  
L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)  
L8 52079 S (PLANT(S) TRANSFORM?) OR (PLANT(S) TRANSGENIC) OR (PLANT(S) RECO  
L9 273 S L8 AND ALLERGEN  
L10 24 S PLANT(S) TRANSGENIC(S) ALLERGEN  
L11 24 S L10 NOT L4  
L12 19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 10:17:12 ON 23 JUL 2004

L13 7 S (KJAERULFF, S? OR KJAERULFF S?)/AU  
L14 13 S (ROGGEN, E? OR ROGGEN E?)/AU  
L15 1 S L13 AND L14  
L16 19 S L13 OR L14  
L17 18 S L16 NOT L15  
L18 13 S PLANT(S) TRANSGENIC(S) ALLERGEN  
L19 13 S L18 NOT L17  
L20 7 S ALLERGEN(S) RECOMBINANT(S) IMMUNOGENICITY  
L21 27 S RECOMBINANT(S) ALLERGEN(S) VARIANT  
L22 27 S L21 NOT L20

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
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L23 31 S ALLERGEN(S) RECOMBINANT(S) IMMUNOGENICITY  
L24 32 S RECOMBINANT(S) ALLERGEN(S) VARIANT  
L25 63 S L23 OR L24  
L26 36 DUPLICATE REMOVE L25 (27 DUPLICATES REMOVED)  
L27 2 S RANDOM(W) PEPTIDE(W) DISPLAY AND VARIANT

=> file uspatfull

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FULL ESTIMATED COST	57.33	190.25

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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 22 Jul 2004 (20040722/PD)  
FILE LAST UPDATED: 22 Jul 2004 (20040722/ED)  
HIGHEST GRANTED PATENT NUMBER: US6766528  
HIGHEST APPLICATION PUBLICATION NUMBER: US2004143878  
CA INDEXING IS CURRENT THROUGH 22 Jul 2004 (20040722/UPCA)  
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 22 Jul 2004 (20040722/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2004

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2004

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>>> published document but also a list of any subsequent <<<  
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>>> /PK, etc. <<<

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---Logging off of STN---

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	ENTRY	SESSION
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